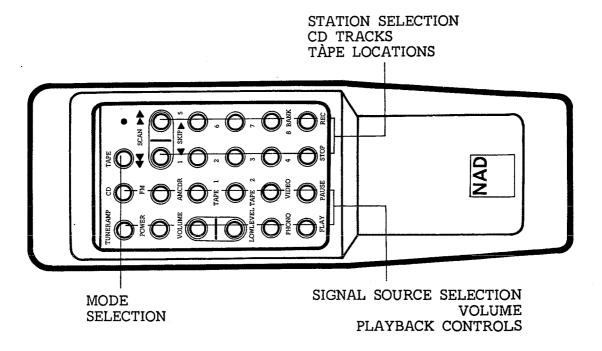
NAD SERVICE MANUAL

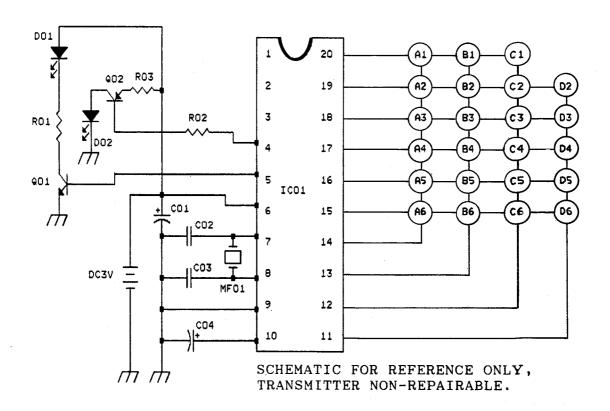
MONITOR SERIES

PREAMPLIFIER/TUNER

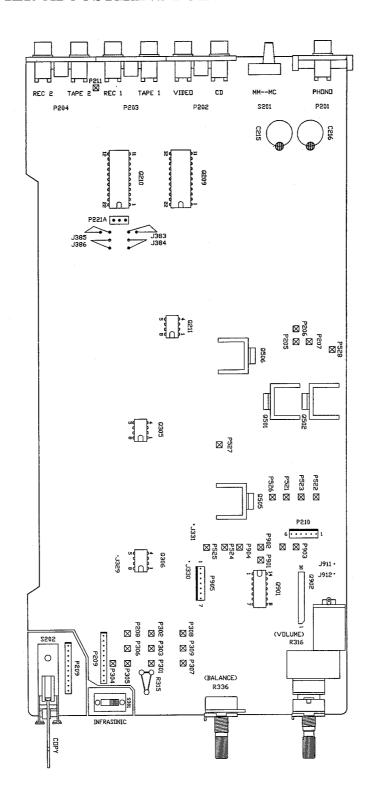
PAGE	NAD-1600 CONTENTS
3	REAR / FRONT VIEW
4	SPECIFICATIONS
5	REMOTE CONTROL TRANSMITTER
6	PREAMPLIFIER ADJUSTMENT POINTS AND ADJUSTMENT METHOD
7	SUGGESTED HOOKUP FOR FM ALIGNMENT
8-10	FM ALIGNMENT METHOD
10	AM ALIGNMENT METHOD
11	TUNER AND REMOTE PCB WIRING DIAGRAM
12	TUNER ADJUSTMENT POINTS
13-14	PREAMPLIFIER PCB LAYOUT
15-16	PREAMPLIFIER SCHEMATIC
17-18	TUNER PCB LAYOUT
19-20	TUNER SCHEMATIC
21-22	TONE-AMP PCB LAYOUT
23-24	TONE-AMP SCHEMATIC
25-26	REMOTE / DISPLAY PCBLAYOUT
27-28	REMOTE / DISPLAY SCHEMATIC
29	PREAMPLIFIER WIRING DIAGRAM
30	TONE-AMP WIRING DIAGRAM
31-35	ELECTRICAL PARTS LIST
36	EXPLODED VIEW
37	EXPLODED PARTS LIST
38	PACKING DIAGRAM

REMOTE CONTROL TRANSMITTER





PREAMPLIFIER ADJUSTMENT POINTS

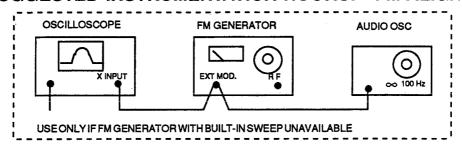


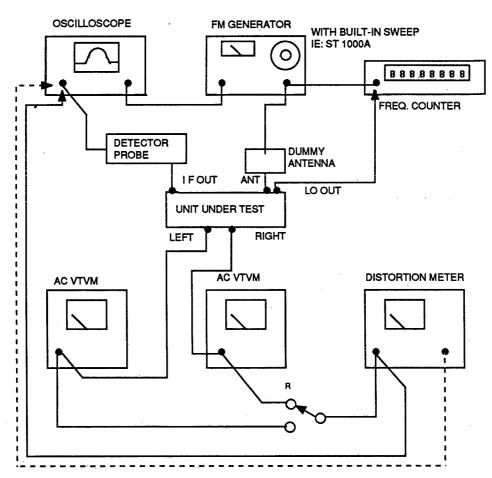
PREAMPLIFIER ADJUSTMENT

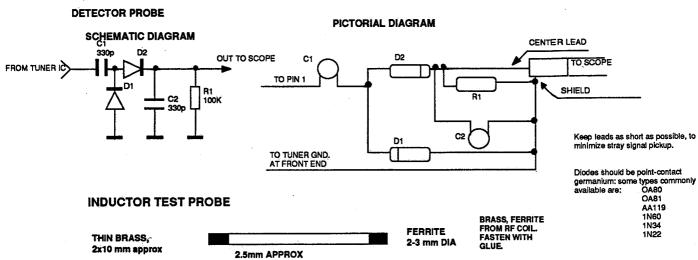
A. CHANNEL BALANCE

- 1. Feed 1kHz, 100mV to CD input; connect AC VTVM's to preamp output. 2. Set volume to maximum, balance to center, low level off. 3. Adjust R-315 so that both channels have same output level \pm 0.25dB.

SUGGESTED INSTRUMENTATION HOOKUP- FM ALIGNMENT







WOOD OR PLASTIC

FM ALIGNMENT

NECESSARY INSTRUMENTATION:

- * Stereo Modulator (less than 0.05% THD, more than 50dB Sep.)
- * FM Generator (less than 0.05% THD)
- * 75 ohm Dummy Antenna (if needed by generator)
- * Audio Oscillator (not necessary if FM generator has built-in sweep, e.g., SOUND TECHNOLOGY ST 1000A or ST 1020A)
- * 2 AC VTVM's (or one with a Left/Right switch)
- * THD Analyzer (resolution less than 0.1%)
- * Oscilloscope (5mV or better sensitivity, X-Y capability)
- * Frequency Counter
- * Diode Detector Probe
- * Ferrite/Brass inductor test probe

IMPORTANT NOTES

- 1) RF levels are at antenna input.
- 2) Before aligning, select FM, switch off MONO.
- 3) If FM Generator is not synthesizer-type, be sure to check its frequency with Frequency Counter When adjusting detector and stereo decoder circuits.
- 4) Hum in measurements may be caused by ground loop via antenna cable; if so, use isolation balun, or isolate cable shield and hot with small capacitors (470 $^{\sim}$ 1000pf).
- 5) To adjust front-end coils, bend gently with wooden or plastic tool (non-interactive).
- 6) ENTER the following frequencies: 90.00, 105.00, 87.50, 108.00, 98.00

A. LOCAL OSCILLATOR FREQUENCY

- 1. Connect Frequency Counter between front-end pin 8 (front-most) and Ground.
- 2. Tune to 90 MHz (No RF input needed).
- 3. Adjust C-934 so that reading is 100.700MHz ± 2KHz.
- 4. Remove counter.

B. TUNING VOLTAGE

- 1. Connect DMM between P-936 and Ground.
- 2. Tune to 108.00MHz, and adjust L-7 if reading is not 20.0V \pm 0.5V
- 3. Tune to 88.00MHz, and check that reading is $3.0V \pm 0.5V$
- 4. Repeat until within tolerance.

C. TRACKING

- 1. Connect FM Generator to 75 ohm antenna input (modulate ± 150kHz sweep) and Detector Probe to Pin 1 of Q106 (ground to tunershield).
- 2. Adjust vertical sensitivity of Oscilloscope to maximum, and set to X-Y mode. (X input is sweep signal, Y is detector probe).
- 3. Tune to 105MHz and adjust generator so that curve appears on Oscilloscope, and covers approximately 1/2 of display.
- 4. Check L2, L3, L4 with ferrite/brass probe, adjust only if probe causes curve height to increase more than 10%. If necessary, reduce generator output to keep entire curve on display.

- 5. Tune to 90MHz and adjust Generator so that curve appears on Oscilloscope.
- 6. Check L2, L3, L4 again; if necessary, distribute any error between both frequencies.

Note: 105MHz curve is typically slightly higher than 90MHz.

D. IF ADJUSTMENTS

- 1. Tune to approximately 98MHz (must be an unoccupied frequency), and adjust FM Generator to display curve on the oscilloscope.
- 2. Adjust I-1 and I-101 for maximum and symmetrical curve using as little RF input signal as possible.
- 3. Remove detector probe.

E. DETECTOR ADJUSTMENT

- 1. Remove Detector Probe, and connect Tape Output to Distortion Analyzer and Oscilloscope.
- 2. Connect DMM between P-703 (-) and P-704 (+).
- 3. Tune to 98MHz and feed 1000uV from FM Generator (Modulate 1kHz 100%, Mono).
- 4. Adjust I-102 Secondary (front) for lowest THD. Specification: less than 0.1%
- 5. Adjust L-102 Primary (rear) for OV ± 50mV reading on DMM.
- 6. Repeat until no further improvement.

F. STEREO DISTORTION & SEPARATION

- 1. Tune to 98MHz and feed 1000uV from FM Generator. Modulate 1kHz, 100% left (or right) only.
- 2. Adjust I-1 just slightly so that distortion on left (or right) channel becomes minimum.
- 3. Check stereo distortion, wide IF; Specification: less than 0.1%, L + R, L only, R only, L R.
- 4. Set IF to wide and modulate L only. Adjust R-176 for minimum output on right channel.

 Next, modulate R only and adjust R-176 for minimum output on left channel.
 - If necessary, readjust R-176 so that readings become same on both channels. Specification: less than -45dB.

G. AUTO SEARCH LEVEL

- 1. Set IF to wide. Connect DMM between P-935 and Ground.
- 2. Set FM Generator output to 10uV and adjust R-144 so that reading just goes from 0 V to 4.4V. Tolerance: ± 2uV.

H. STEREO SWITCHING LEVEL

- 1. Set FM Generator output to 5uV, 1kHz 100% L + R.
- 2. Adjust R-148 so that the stereo light just turns on. Tolerance: ± 1 uV.

NOTE: The tuner will switch into mono at a lower level, typically 4uV.

I. SIGNAL METER LEVEL

- 1. Set FM Generator output to 500 uV
- 2. Adjust R-141 so that fifth LED just lights.

J. MULTIPLEX FILTERS

- Set FM Generator output to 1000uV, 1kHz 100% L + R, and set reference for S/N measurement. Cancel the stereo modulation and leave pilot tone.
- 2. Adjust Z-111 (Z-112)(rear slug) for minimum subcarrier output on left (right) channel; Specification: less than -60dB.
- 3. Reduce FM Generator output so that S/N ratio reads 50dB.(Approx 18uV)

AM ALIGNMENTS

A. TUNING VOLTAGE

- 1. Connect DMM between P-936 and Ground.
- 2. Tune to 1600(1602) KHz. Enter into Preset 2. Adjust C-137 for reading of $8.1V \pm 0.5V$.
- 3. Tune to 520(522)kHz. Enter into Preset 1. Adjust L-102 for reading of $1.0V \pm 0.1V$.
- 4. Repeat until within tolerance.

B. ANTENNA, IF

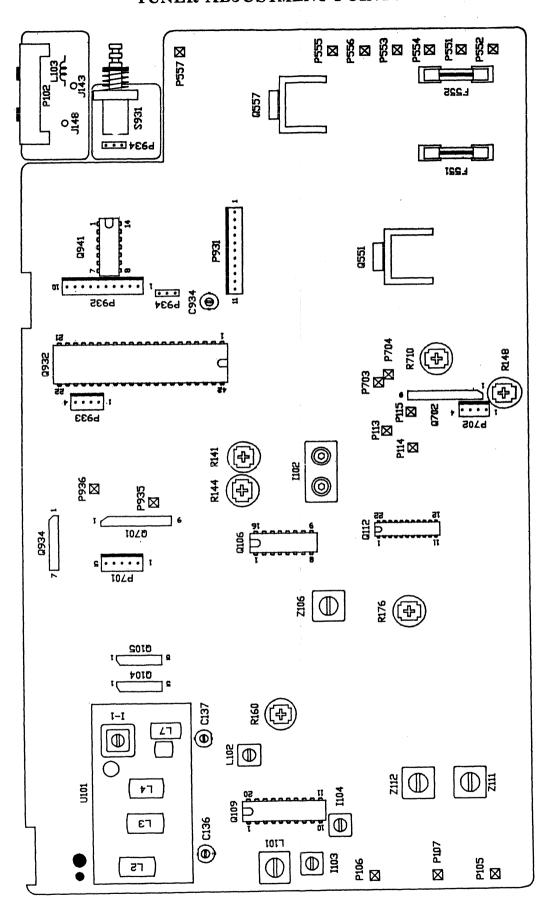
- 1. Swing antenna away from chassis.
- 2. Connect DC voltmeter to Anode, D110 (rear) and Ground.
- 3. Tune to a station of moderate strength near 1400kHz. Enter into Preset 4. Adjust C-136 for maximum reading on meter.
- 4. Adjust I-103 and I-104 for maximum reading on meter.
- 5. Tune to a station of moderate strength near 600kHz. Enter into Preset 3. Adjust L-101(AM Antenna) for maximum reading on meter (use non-interactive tool, such as plastic or wooden stick).
- 6. Repeat until no further improvement.

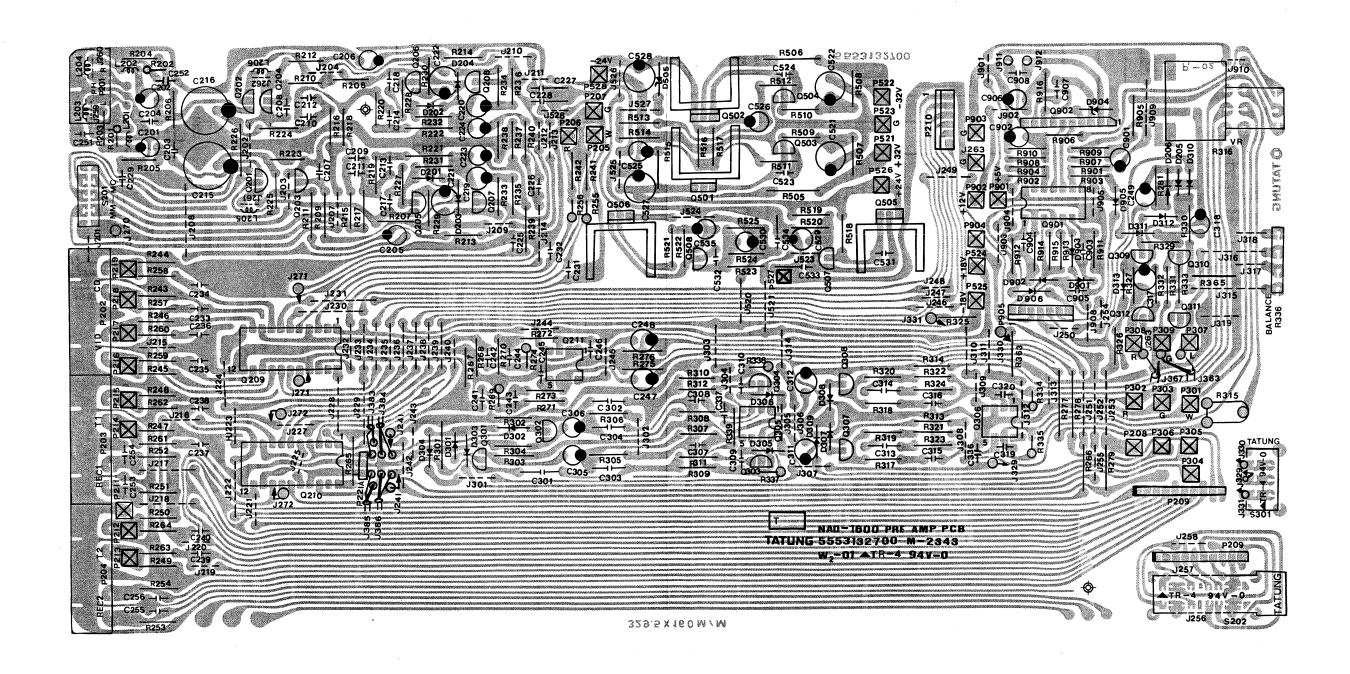
C. SCAN STOP/SIGNAL METER LEVEL

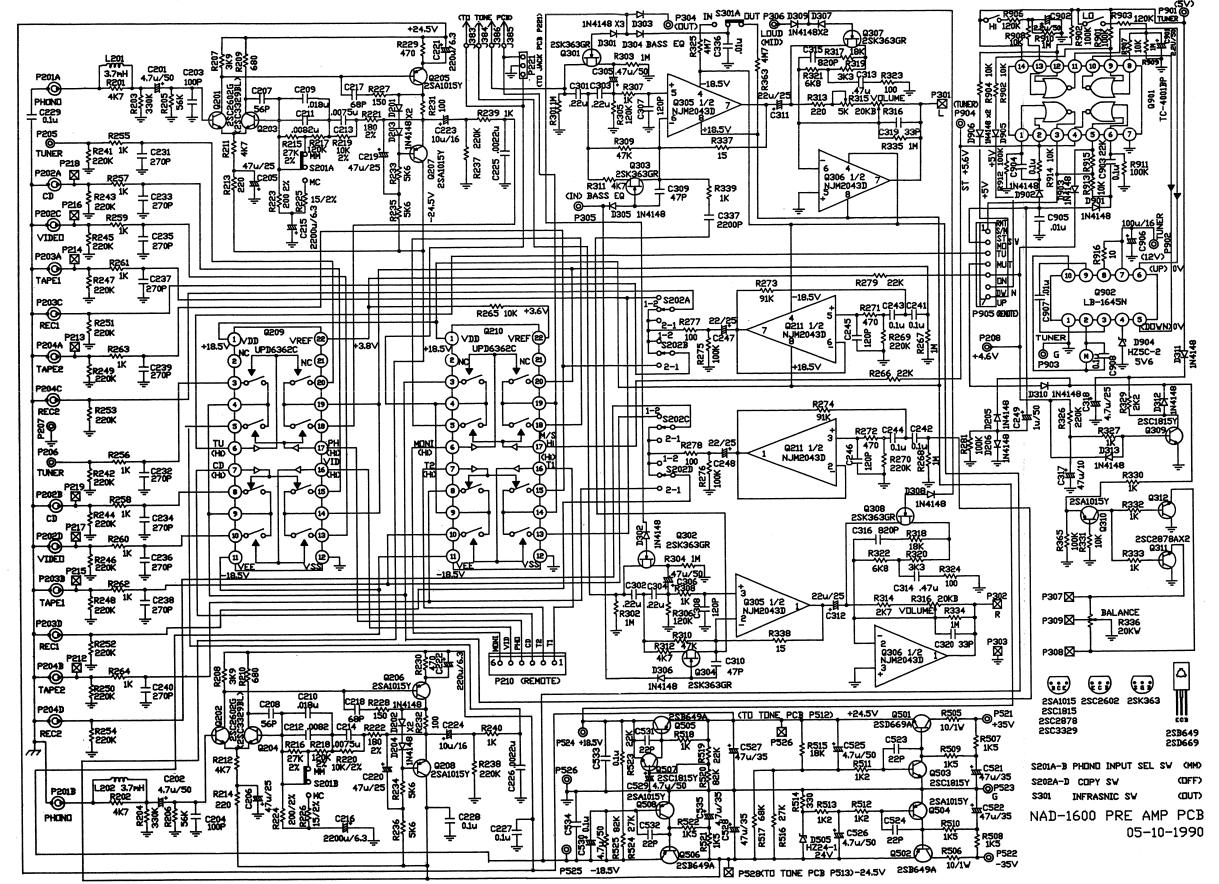
- 1. Tune to 1000kHz and feed 200uV to antenna terminals.
- 2. Adjust R-165 so that fifth LED just lights fully.

\$ 100 E STANDBY,TUNER TRANSFORMER TS01 O E AMP PCB P901 AMP PCB P902 TO PRE AMP PCB P210 TO PRE AMP PCB P905 PRE PRE WIRING DIAGRAM ₩ ₩ ₩ ₩ ₩ SEARCH SWITCH PCB See The see Th L221 PCB § □ ₹ **□** § TUNER AND REMOTE CONTROL TO TITULE AMP FOR PAGE AND 12 (1) REMOTE CONTROL & LED DISPLAY PCB žz # 0 g B O & PCB ₹ 🔯 🖁 TUNER ă (II) £ (4) 5 O 8 # 🔘 🖁 ¥ 🔘 🖁 - TO PRE AMP PCB P206 - TO PRE AMP PCB P205 - TO PRE AMP PCB P207 \$ **\B \B**

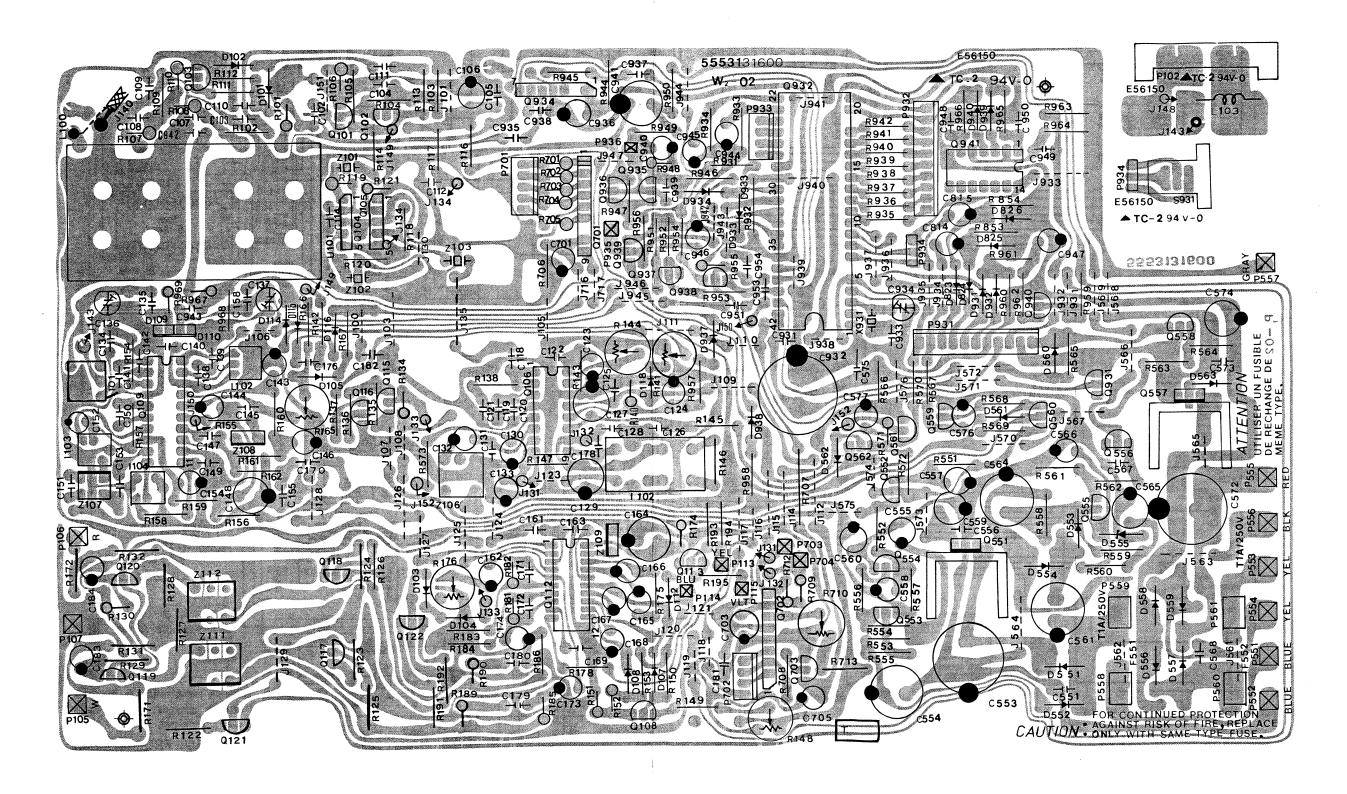
TUNER ADJUSTMENT POINTS



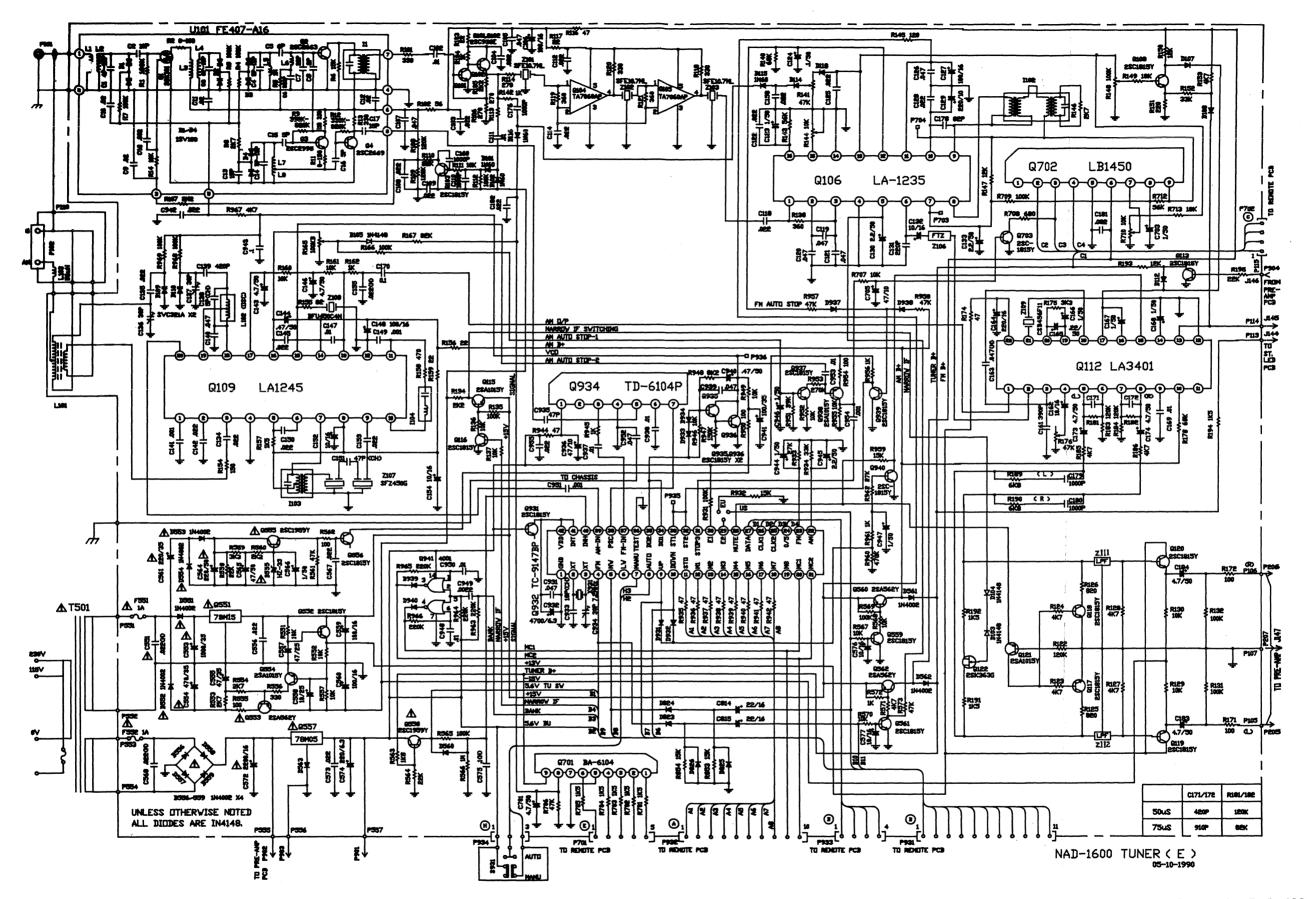




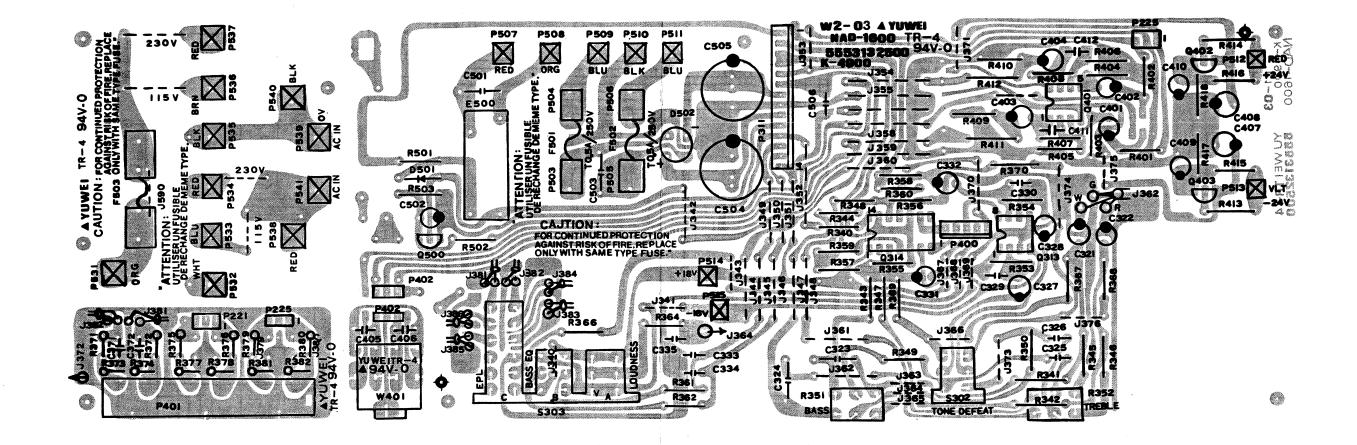
(C) NAD Electronics Ltd. 1990

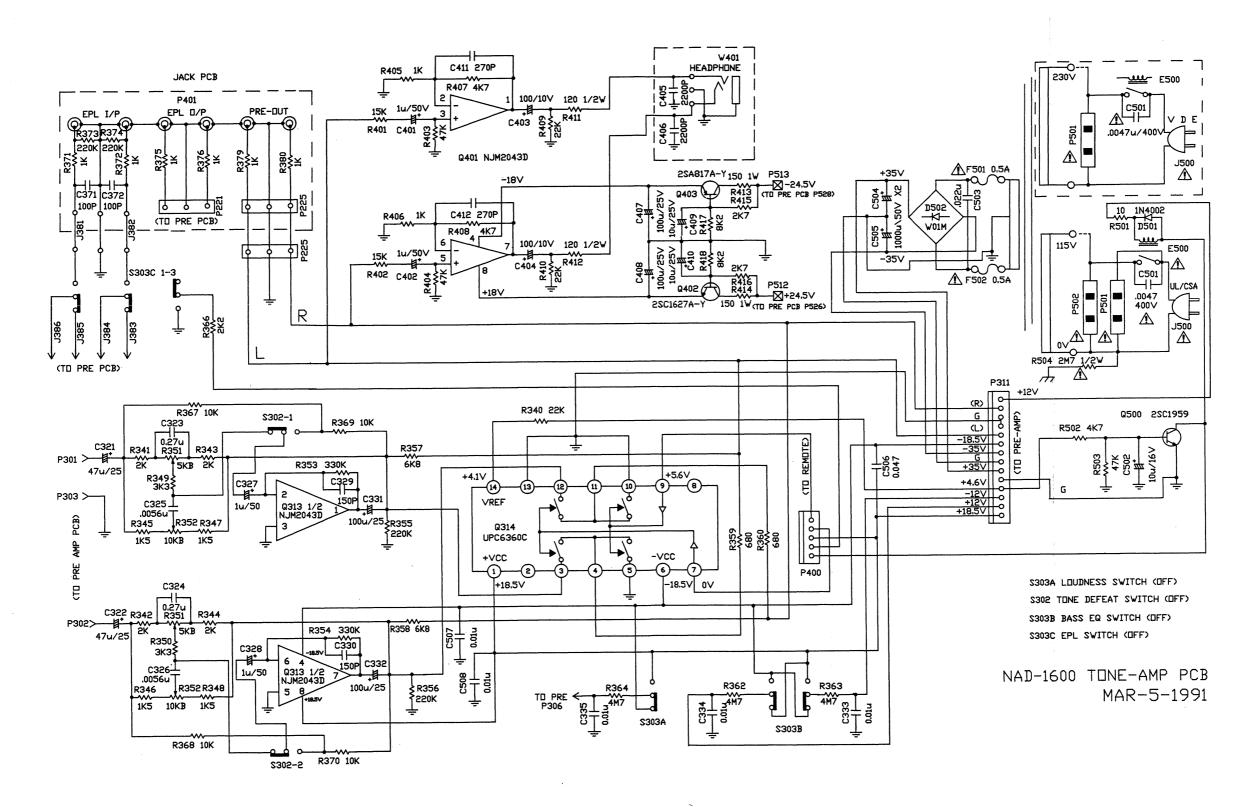


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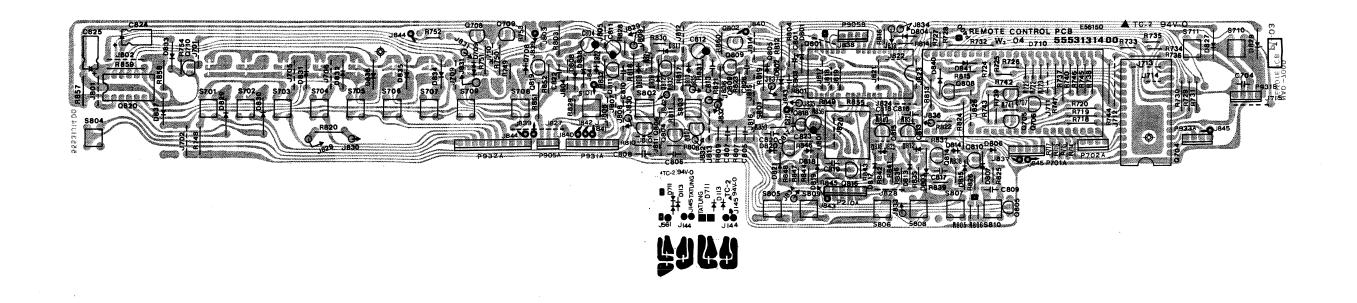


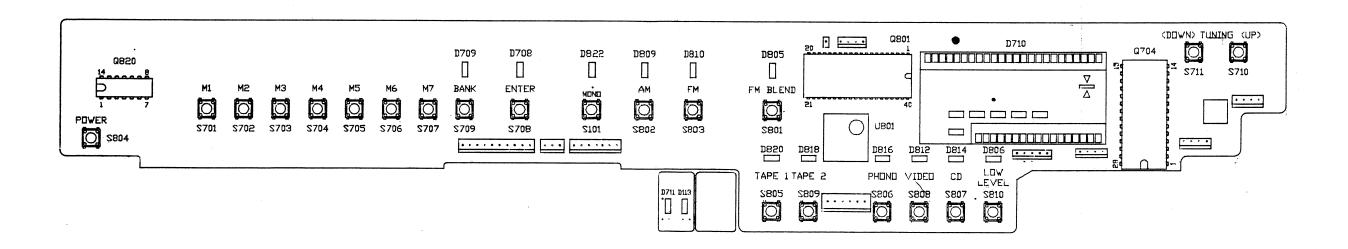
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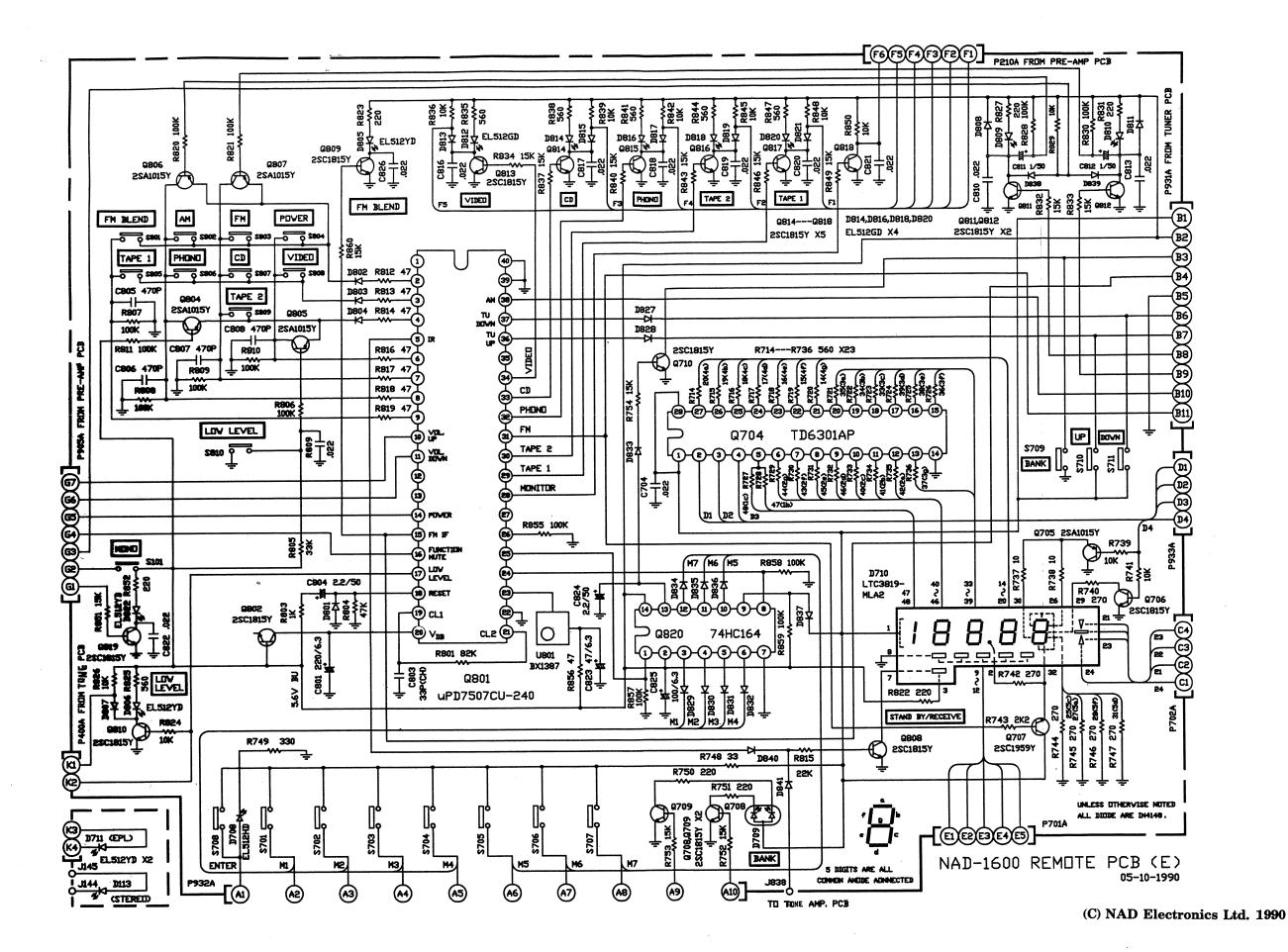


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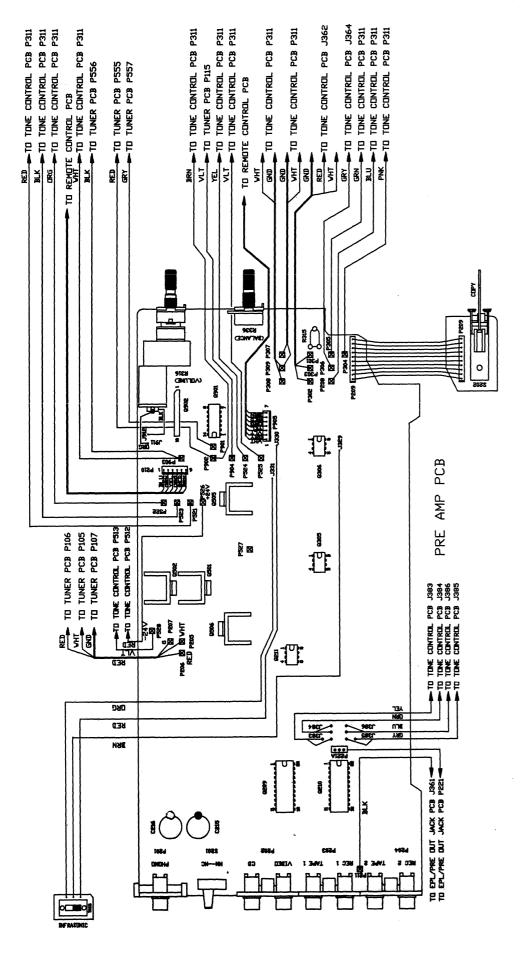


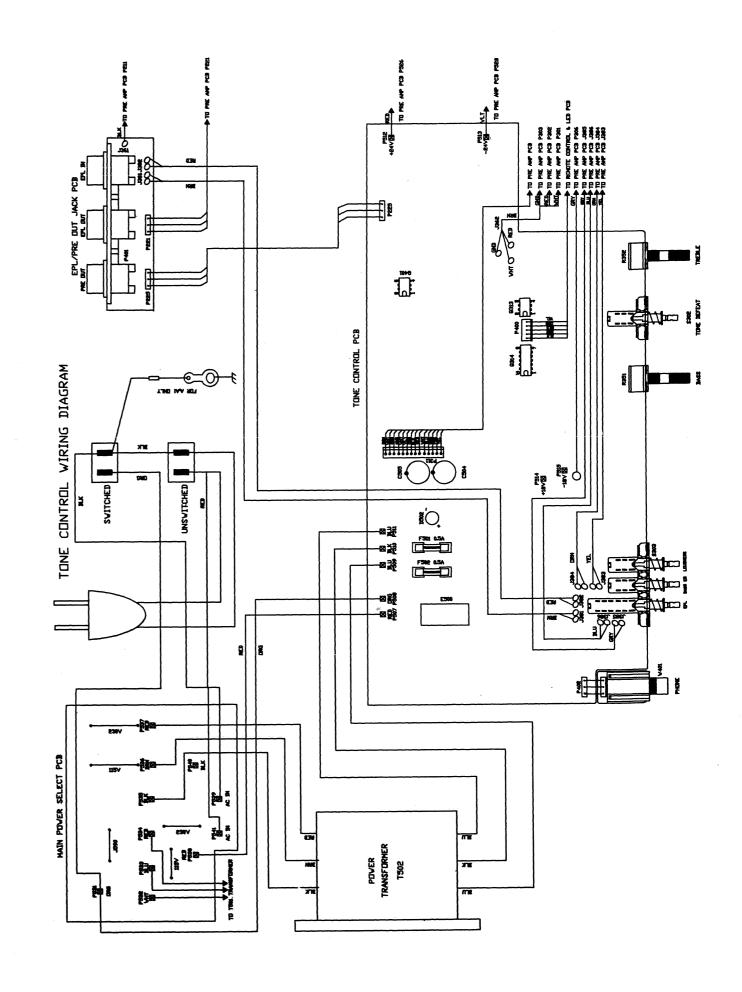


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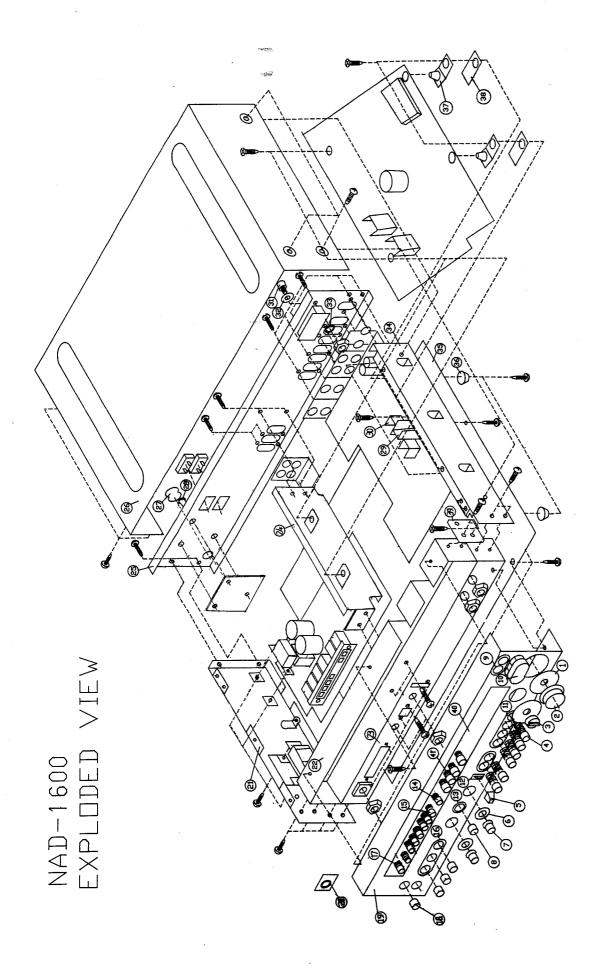
1600 PARTS LIST	REVISON: A	DATE: 9-19-90		SYMBOL NO	I/D	qty	PART NO.	DRSCRIPTION PRS-AMP. PCB CAP. SL. CAP. CER. CAP. EL. CAP. EL. CAP. EL. CAP. EL. CAP. EL. CAP. EL. CAP. CER. CAP. CE	SPECIFICATION	
SYMBOL NO I/D QTY PART NO.		SPECIFICATION		8200 C201,C202		1	5553132700 5213647991	PRB-AMP. PCB CAP. BL.	329.5*160am MAD-1600 4.7uPMT <u>+</u> 20% 50V	
	••		*********	C203,C204 C205		2	5247010191 5213447091	CAP.CER. CAP. EL.	100PPJT ±5% 50V 47uPHT ±20% 25V	
	PCB ASS'Y TONE PCB ASS'Y			C206 C207,C208		1 2	5213447012 5247056091	CAP.CER.	47uPN ±20% 25V 56PPJT +5% 50V	
B300 1 555313250	TONE PCB BLOCK TONE CONTROL	232.5*99mm HAD-1		C209,C210 C211,C212		2	5222118391	CAP. POLY.	18000PFJT +5% 50V 8200PFJT +5% 50V	
C321,C322 2 521344709	I CAP.EL.	47uPNT +20%	50¥	C213,C214		2	5222175291	CAP. POLY.	7500PFJT 15% 50V	
C325,C326 2 522215629	CAP.POLY.	0.27MPJ <u>+</u> 5% 5600PPJT <u>+</u> 5%	50V 50V	C215,C216 C217,C218		2	5213122212 5247068091	CAP. CER.	2200uPM ±20% 6.3V 68PFJT ±5% 50V	
C327.C328 2 521360109 C329.C330 2 524711519	CAP.CER.	lu pkt <u>+</u>20% I50Pp kt <u>+</u>10%	50V 50V	C219,C220 C221		ž	5213447012 5213122112	CAP. BL.	47uFM ±20% 25V 220uFM ±20% 6.3V	
C331.C332 2 521341019 C333-C335 3 523181039	I CAP.EL. I CAP.CER.	100uPXT ±20% 10000PFZT +80-0.2	25V : 50V	C222 C223,C224		î Ž	5213122191 5213610091	CAP. BL. CAP. BL.	220uPKT ±20% 6.3V 10uPKT ±20% 50V	
C401,C402 2 521360109 C403,C404 2 521341019	CAP.EL. CAP.EL,	1uPMT <u>+20%</u> 100uPMT +20%	50V 25V	C225,C226 C227,C228		2	5222122291 5231810400	CAP. POLY. CAP.CER.	2200PFJT ±5% 50V 0.1uFZT +80-20% 50V	
C407,C408 2 521341019 C409,C410 2 521361009	CAP.BL.	100uFKT ±20% 10uFKT +20%	25¥ 25¥	C229 C231-C240		1	5236110491 5247127191	CAP. SEMI.	0.luPKT ±10% 25V 270PFKT +10% 50V	
C411.C412 2 5247127191 C501 1 523010270	CAP.CER. 1 CAP.CER.	270PFET +10% 4700PFN +20%	50V 400V	C241-C244		4	5222110491	CAP. POLY.	0.1MFJT ±5% 50V 120PFKT +10% 50V	
C502 1 521341009 C503 1 527222230	GAP.POUT. P=10mm GAP.POUT. GAP.PUT. GAP.BL. GAP.EL. GAP.CER. GAP.RETALLIZED P.E. P=10mm	10uPMT ±20% 22000PPK +10%	25V 250V	C245,C246 C247,C248 C249		2	5213422091	CAP. BL.	22uPMT ±20% 25V 1uPMT +20% 50V	
C504,C505 2 521361021 C506 1 523184739	2 CAP.EL.	1000uFH +20% 47000PFHT +20%	50V 50V	C251,C252		2	5247068001	CAP.CER.	1877 +5% 50V 270PFJ +5% 50V	
0501 1 561100723	DIODE, RECTIFIER/HOT	184602 100V	14	G253-G256 G301-G304		ì	5222122401	CAP. POLY. P=10mm	0.22HPJ ±5% 50V 0.47uPKT +20% 50V	
B500 I 5554501800 P501 A I 5554306501	RELAY (UL/CSA/VDE)	VS-12MB-TV5		C305,C306 C307,C308		2	5247112191	CAP. CBR.	120PPKT ±10% 50V	
P501 A1 1 5554306501 P501 B 1 5554306500	RUSE, 5.2*20mm	250V/500mA 250V/500mA	SENKO	C309,C310 C311,C312		2	5247047091 5213422091	CAP. CER.	47PPJT ±5% 50V 22uPHT ±20% 25V	
P501 BI 1 5554306500 P501 C I 5554306500	FUSE, 5.2*20mm	250V/500mA T51	SENEO SENEO	C313,C314 C315,C316		2	5222147401 5231382191	CAP. POLY. P=10em CAP.CBR.	0.47HFJ ±5% 50V 820PPKT ±10K 50V	
P501 C1 1 5554306506	PUSE, 5.2*20mm	250V/500mA T51	SBHEO	C317 C318		1	5213247091 5213647991	CAP. BL.	47uPMT ±20% 10V 4.7uPMT ±20% 50V	
P502 A 1 5554306501 P502 A1 1 5554306501	FUSE, 5.2*20mm FUSE, 5.2*20mm	250V/500mA 250V/500mA		C319,C320 C336		2	5247033091 5231810391	CAP.CRR.	33PFJT +5% 50V 10000PFZT +80-20% 50V	
P502 B 1 5554306500 P502 B1 1 5554306500	FUSE, 5.2*20mm FUSE, 5.2*20mm	250V/500mA T51 250V/500mA T51	SBMEO SBMEO	C337		1	5231522201	CAP.CER.	2200PPM ±20% 50V 47uPMT +20% 35V	
P502 C 1 5554306500 P502 C1 1 5554306500	FUSE, 5.2*20mm FUSE, 5.2*20mm	250V/500mA T51 250V/500mA T51	SEMKO Semko	C523,C524		2	5247022091	CAP.CBR.	22PFJT +5% 50V 4.7uPMT +20% 50V	
J340-J355 16 6119210600 J358-J371 14 6119210600	WIRE, TIN COATED WIRE, TIN COATED	0.60 0.060M	butav	C527,C528		2	5213547091	CAP. BL.	47uPHT ±20% 35V	
J373-J376 4 6119210600 J381 1 617331280	WIRE,TIM COATED WIRE,SHIELD SEPVE BEN	0.62 0.060M 7/0.12 0.450M	28#	C531,C532		2	5247022091	CAP.CBR.	4.7upwr ±20x 50V 22PPJT ±5x 50V	
J381A 1 6707020140 J382 1 6173312802	UDUS, RECTI. SRIGGS/ST BELAT (UL/CSA/VE); FUSE, 5.2+20am FUSE, 5.2+20am FU	7/0.12 0.450M	SEMEO SEMEO SEMEO 28# BLE t.4 28# BLE 1.4 ANG28# ANG26#	C535,C534		1	5236210401 5213647991	CAP. BL.	0.1uPM ±20% 25V 4.7uPMT ±20% 50V	
J382A [6707020140	INSULATION TUBING T=105 AND	115 600A 0'010K	BLK 1.4	C901,C902 C903		2	5213622991 5222110491	CAP. BL. CAP. POLY.	2.2uPMT ±20X 50V 0.1MPJT ±5X 50V	
P400 1 5556102005	PVC 3P RABALLEL WIRE BLE 5P MALE WAFER	IL-G-5P-83T2-R	AWG26#	C904 C905		1	5222110401 5231810391	CAP. POLY. P=7.5mm CAP.CER.	0.1MFJ ±5% 50V 10000PFZT +80-20% 50V	
P503-P506 4 5547032210	PROP OT TO 15 941	7/0.16 60mm CQ-2038	₩656‡	C906 C907		1	5213310191 5222110391	CAP. BL. CAP.CRR.	100uPKT ±20% 16V 10000PFJT ±5% 50V	
Q313 1 6644066600) SQUARB PIN IC LINBAR / TRC	1.1*1.1*16 NJH2043D DIP8		C908 D201-D206		1	5236110491 6613003030	CAP. SEMI. DIODE, SWITCHING / ITT	0.1uPKT ±10% 25V 1N4148	
Q401 1 6644066600	IC,DIGITAL / NEC IC LINEAR / JEC	UPD6360C DIP14 NJM2043D DIP8		D301-D313		13	6613003030	DIODE, SWITCHING / ITT DIODE, IENER / HIT	1M4148 NZ-24-1 22.9-24V	
	TR NPN HP / TSB TR NPN HP / TSB	OCTOMOS 141,1416 1	-240 VCB0=80	D901-D903 D904	D.1	3	6613003030	DIODE, SWITCHING / ITT DIODE, ZENER / UNI T=26mm	184148	
Q500 1 6621001021	TR MPN HF / TSB RBS. CARBON FILM	2SC1959-Y 22KJB +5%	1/49	P#41	RB	1	6615009757	DIODE, ZENER / HIT T=52mm		
R341-R344 4 5142820296	RES. CARBON FILM RES. CARBON FILM	2RJB ±5X	1/49	D905,D906 J201-J204		4	6119210600	DIODE, SWITCHING / LTT WIRE, TIN COATE SOFT COPPER	0.60 0.060M	
R349,R350 2 5142833290 R351 1 5169020363	RBS. CARBON FILM	3E3JB +5%	1/48	J207-J225 J227-J240		14	6119210600	WIRE, TIN COATE SOFT COPPER WIRE, TIN COATE SOFT COPPER	0.68 6.060¥	
R352 1 5169020373	VR. D RES. CARBON FILM	RE1631244309-10EB	1	J241 J242-J255		14	6119210600	WIRE, TIN COATE SOFT COPPER		
R355,R356 2 5142822490	RES. CARBON FILM	220IJB ±5%	1/4¥	J259 J259	A A1	1	6119210600	WIRE, TIN COATE SOFT COPPER WIRE, TIN COATE SOFT COPPER	0.60 0.060N	
R359,R360 2 5142868190	HER OWNDOW STAM	UUUUU TOA	1/38		B B1	1	6119210600	WIRE, TIN COATE SOFT COPPER WIRE, TIN COATE SOFT COPPER	0.60 0.060%	
R364 1 5142847598	RES. CARBON FILM RES. CARBON FILM	4M7JB <u>+</u> 5% 4M7JB <u>+</u> 5%	1/4W 1/4W		C A			WIRE, TIN COATE SOFT COPPER WIRE, TIN COATE SOFT COPPER		
R367-R370 4 514/2819390) RES. CARBON FILM) RES. CARBON FILM	2K2JB <u>+</u> 5% 10KJB <u>+</u> 5%	1/49 1/49	J260	āi B	1	6119210600	WIRE, TIN COATE SOFT COPPER WIRE, TIN COATE SOFT COPPER	0.6# 0.060M	
R403,R404 2 5142847390) RBS. CARBON FILM) RBS. CARBON FILM	15% <u>+</u> 5% 47%/b <u>+</u> 5%	1/4¥ 1/4¥		B1 C	1	6119210600	WIRE, TIN COATE SOFT COPPER WIRE, TIN COATE SOFT COPPER	0.60 0.060W	
R407,R408 2 5142847296) RES. CARBON FILM) RES. CARBON FILM	1KJB <u>+</u> 5% 4K7JB <u>+</u> 5%	1/4¥ 1/4¥	J261	Å Ål	1	6119210600	WIRE, TIN COATE SOFT COPPER WIRE, TIN COATE SOFT COPPER	D.60 D.060M	
R411,R412 2 5142412190	RES. CARBON FILM RES. CARBON FILM	22KJB <u>+</u> 5% 120JB <u>+</u> 5%	1/4¥ 1/2¥	J261	B B1	1	6119210600	WIRE, TIN COATE SOFT COPPER WIRE, TIN COATE SOFT COPPER	0.60 0.060M	
R413,R414 2 5130315103 R415,R416 2 5142827290	RES. CARBON FILM	150JSL ±5% 287JB ±5%	1¥ 1/4¥	J261	C A	1	6119210600	WIRE, TIN COATE SOFT COPPER WIRE, TIN COATE SOFT COPPER	0.69 0.060%	
R417,R418 2 5142882290	RES. CARBON FILM	8K2JB ±5% 10JB ±5%	1/4¥ 1/4¥	J262	Al B	1	6119210600	WIRE, TIN COATE SOFT COPPER WIRE, TIN COATE SOFT COPPER	0.60 0.060%	
R502 1 5142848290) RES. CARBON PILM) RES. CARBON PILM	4K7JB ±5% 47KJB +5%	1/4¥ 1/4¥	1262	B1	1	6119210600	WIRE, TIN COATE SOFT COPPER WIRE, TIN COATE SOFT COPPER	9.68 0.060¥	
\$302 1 5554434800	1P PUSH SWITCH 3P PUSE SWITCH	SPUNI2K008-TT SPUN31K007-TT3	.,	1563	С	1	6130003500	WIRE, PVC BLACK	1/0.20 0.100% 24AVG	
	PHONE. PCB BLOCK	DIGHTIAN TIV		J270 J271		1	6130003588	WIRE, PVC BLACK WIRE, PVC GRAY	7/0.20 0.055K 24AVG	
C405,C406 2 5231522291 W401 1 5556311300	CAP.GBR.	2200PPMT 50V JY-6312-02-030	D BC	J272 J301-J319		19	6119210600	WIRE, PVC BROWN WIRE, TIN COATE SOFT COPPER	7/0.20 0.050M 24AMG 0.60 0.060M	
		91-03[2-02-039		1330 1358		t	6130003522	WIRE, PYC BROWN	7/0.20 0.430H 24ANG 7/0.20 0.400H 24ANG	
C371,C372 2 5247010191	JACK PCB BLOCK CAP.CER.	100PPJT +5%	50V	J331 J520-J528		9	6119210600	WIRE, PVC ORANGE WIRE, TIN COATE SOFT COPPER	7/0.20 0.400M 24AWG 0.68 0.060M	
J379,J380 2, 6119210600	WIRE, PVC BLACK WIRE, TIN COATED SOFT COPPES		ZANKG	J901-J905 J908-J910		5	6119210600 6119210600	WIRE, TIN COATE SOFT COPPER WIRE, TIN COATE SOFT COPPER	0.68 0.060k	
R371,R372 -2 514211029() SP SIGNAL JACK) RBS. CARBON FILM	12-2093 1KJB <u>+</u> 5%	1/49	J911 J912		1	6130003533 6130003500	WIRE, PVC ORANGE WIRE, PVC BLACK	7/0.20 0.400W 24AWG 7/0.20 0.040W 24AWG	
R373,R374 2 5142122490 R375,R376 2 5142110290	RES. CARBON FILM RES. CARBON FILM	220EJB <u>+</u> 5% 1EJB <u>+</u> 5%	1/4W 1/4W	L201,L202 L203,L204	C1	2	5564401300 5564401330	TRAP COLL(L=3.7MH+-30%10KH7		ì
5090908141	POWER TERMINAL PCB BLOCK	_		L205,L206 P201		2	5564401320		470UH +-20X 12-2123-1	
	WIRE, TIN COATED SOFT COPPER	0.68 0.060M 1,7*1.7*9.4 NAD-71	00/2100	P202-P204		1	5556204600	4P SIGNAL JACK	12-2092	
	PRE-AMP. PCB ASS'Y	non-11		P205-P208 P209		1	5556200900	SQUARE PIN 10P PVC PARALLEL WIRE BLE.		ŧ
	PRE-AMP. PCB ASS'Y HEAT SINE (S)		•	P210 P211		1	5556201900	SQUARE PIN	IL-G-6P-S3T2-B 1.1*1.1*16	
5C08A 2 7033161156	SCREW BRB RUD TS PC	M3.0*08		P301-P309 P313		- 1	5556201900 5556201900	SQUARE PIN	1.1*1.1*16 1.1*1.1*16	
	HEAT SINE (S) SCREW BRB RUD TS PC	L=21 M3.0*08		P521-P526 P528		i	5556201900 5556201900	SQUARE PIN	1.1*1.1*16 1.1*1.1*16	
				P901-P904 P905		4	5556201900		1.1*1.1*16 IL-G-7P-S3T2-B	
						-				

SYMBOL NO I/D QTY	PART NO.	DESCRIPTION	SPECIFICATION	SARBOT NO T\D GLA		DESCRIPTION	SPECIFICATION
Q281 RA 1	6621034330	TR, NPW BF / MIT TR, NPW BF / TSB IC, DIGITAL/NEC IC LINEAR / JAC TR, NPW BF / TSB IC LINEAR / JAC TR, NPW BF / TSB	2SC2602-G MF=1.8DB TAPING			LEVER SWITCH	SLLR543ND1-TT
Q201 RB 1 Q202 RA 1	6621034830	TR.NPH HP /TSB	28C3329BL VCRO=80V TAPING 28C2602-G NF=1.80R TAPING			INPRASONIC	
Q202 RA 1 Q202 RB 1	6621034830	TR, NPH HP /TSB	2SC3329BL VCBO=86V TAPING	\$301 1	5554431610		SSSB022NB1-NB1-TT
Q203 RA 1 Q203 RB 1	6621034330 6621034830	TR, NPN HF / MIT TR. NPN HF / TSR	2SC2602-G NF=1.8DB TAPING 2SC3329BL VCB0=80V TAPING			REMOTE PCB ASS'Y	
Q204 RA 1	6621034330	TR, NPH HP /WIT	2SC2602-G WF=1.8DB TAPING	B801 1	10111112222	RENOTE PCB BLOCK	414*71 WAD-1600
Q204 RB 1 Q205-Q208 4	6621034830 6623002050	TR, NPN HP /TSB	2541015-Y	C704 I	5231822391	CAP.CBR.	22000PFZT +80-0.2% 50V
Q209,Q210 2	6645020000	IC, DIGITAL/NEC	UPD6362C DIP22	C801 1 C803 1	5210403800 5242233001	CAP.BL. (LC) CAP.CBR.	220uPK ±20% 6.3V 33PFJ +5% 50V
Q211 1 Q301-Q304 4	6625003730	TR, PBT /TSB	25E363GR VGDS=-40V	C804 1	5213622991	CAP.BL.	2.2uPKT ±20% 50V 470PPRT +10% 50V
Q305,Q306 2 Q307,Q308 2	6644066600 6625003730	IC LINBAR / JRC TR. PRT / TSB	NJH2043B DIP8 25K363GR VODS=-40V	C805-C808 2 C809,C810 2	5231822391	CAP.CER.	22000PFZT +80-0.2% 50V
Q309 I	6621015332	TR. NPH HP /TSB	2SC1015-Y	C811,C812 2 C813 1	5213601091 5231822391	CAP.BL. CAP.CRR.	1uFKT ±20% 50V 22000PFZT +80-0.2% 50V
Q310 1 Q311,Q312 2	6621018700	TR, NPH HP /TSB (LOW HOISE)	2SC2878-A	C816-C822 ?	5231822391	CAP.CER.	22000PFZT +80-0.2% 50V 47uPK +20% 6.3V
Q501 1 Q502 1	6622012802 6624009401	IC LIERR / JAC TE, PST / ISB TR, RPH BF / ISB C. DIGITAL / ISB CC. DIGITAL / ISB CC. LIERRA / ISD RES. CARBON FILM	2SD669AC 2SB649A-C 160V 1W	C823 1 C824 1	5213622910	REMOTE FOR BLOCK REMOTE FOR CAP.CER.	2.2uPK ±20% 50V
Q503 1	6621015332	TR, NPH HP /TSB	28C1015-Y	C825 1 C826 1	5213110110 5231822391	CAP.EL.	100uFW ±20% 6.3V 22000PFZT +80-0.2% 50V
Q504 1 Q505,Q506 2	6624009401	TR, NPN LF /HIT	25B649A-C 160V 1W	0708 1	6618009100	DIODE, LED./ SEN, RED	SB-9411DH 2+5mm DIFFUSED
Q507 1 Q508 1	6621015302	TR, HPN HF /TSB TR, HPN HF /TSR	2SC1815-Y 2SA1015-Y	D710 1	6618015900	DIODE, LED. / ELT. YELLOW/GREEN DIODE, LED. / LIT	LTC-3819MLA2 0. 4.5 DIGIT
Q901 RA 1	6645019800	IC. DIGITAL /STO	LC4001B DIP14	D801-D804 4 D805,D806 2	6613003030 6618009460	DIODE, SWITCH/ ITT DIODE, LED./ SEN, YELLOW	IN4148 SB-9431D 2*5mm DIPPUSED
Q901 RB 1 Q902 1	6645019801 6644067100	IC. DIGITAL /TSB IC LINBAR /STO	LB1645M SIP10	D807,D808 2	6613003030	DIODE, SWITCH/ ITT	1W4148
R201,R202 2 R203,R204 2	5142147290	RES. CARBON FILM	4E7JB ±5% 1/4W 330KJB +5% 1/4W			DIODE, LED./ SEN, GREEN DIODE, SWITCH/ ITT	SE9421D/LT5321-41 2*5mm 1H4148
R205,R206 2	5142856390	RES. CARBON FILM	SERJB ±5% 1/4W	D812 1	6618010900	DIODE, LED./ SEN, GREEN DIODE, SWITCH/ ITT	SE9421D/LT5321-41 2*5mm 1N4148
R207,R208 2 R209,R210 2	5142839290 5142868190	RES. CARBON FILM RES. CARBON FILM	3E9JB ±5% 1/4¥ 680JB ±5% 1/4¥	D814 1	6618010900	DIODE, LED./ SEN, GREEN	SE9421D/LT5321-41 2*5mm
R211,R212 2	5142847290	RES. CARBON FILM RES. CARBON FILM	4E7JB			DIODE, SWITCH/ ITT DIODE, LED./ SEN, GREEN	1N4148 SB9421D/LT5321-41 2*5mm
R215,R216 2	5141827390	RES. CARBON FILM	27KGB ±2% 1/4%	D817 1	6613003030	DIODE, SWITCH/ ITT	1H4148 SR9421D/LT5321-41 2*5mm
R217,R218 2 R219,R220 2	5141812490 5141810390	RES. CARBON FILM RES. CARBON FILM	120KGB ±2X 1/4W 10KGB ±2X 1/4W	D819 1	6613003030	DIODE, LED./ SBN, GREEN DIODE, SWITCH/ ITT	184148
R221,R222 2	5141818190	RES. CARBON FILM	180GB <u>+</u> 2% 1/4%			DIODE, LED./ SEN, GREEN DIODE, SWITCH/ ITT	SB9421D/LT5321-41 2*5mm 1M4148
R225,R226 2	5141815090	RES. CARBON FILM RES. CARBON FILM	200GB ±2% 1/4¥ 15GB ±2% 1/4¥	D822 1	6618009400	DIODE, LED./ SEN, YELLOW	SE-9431D 2*5mm DIFFUSED
R227,R228 2 R229,R230 2	5142815190	RES. CARBON PILM RES. CARBON PILM	150JB ±5% 1/4¥ 410JB ±5% 1/4¥	D827-D841 5 J701,J702 2	6613003030 6119210600	DIODE, SWITCH/ ITT WIRE, TIN COATED SOFT COPPER	1M4148 0.6Ø 0.060M
R231,R232 2	. 5142810190	RBS. CARBON FILM	100JB ±5% 1/4W	J709-J715 7	6119210600	WIRE, TIN COATED SOFT COPPER	0.69 0.060M
		RBS. CARBON PILM RBS. CARBON PILM	5K6JB ±5% 1/4W 10KJB ±5% 1/4W	1829	6130003533	WIRE, PVC ORANGE	7/0.20 0.170M 24AWG
R239,R240 2		RES. CARBON FILM RES. CARBON FILM	1KJB ±5% 1/4W 220KJB ±5% 1/4W	J830 1 J831 1	6130003544 6130003522	WIRE, PVC YELLOW WIRE, PVC RED	7/0.20 0.150M 24AWG 1/0.20 0.450M 24AWG
R255-R264 2	5145810290	RES. CARBON FILM	1KJB <u>+</u> 5% 1/4W	J832 1 J833 1	6130003566	WIRE, PVC BLUE	7/0.20 0.055W 24AWG 7/0.20 0.120W 24AWG
		RES. CARBON PILM RES. CARBON FILM	10KJB <u>1</u> 5% 1/4W 22KJB <u>1</u> 5% 1/4W	J834 1	6130003588	WIRE, THE COATED SOFT COPPER WIRE, PVC GRADE WIRE, PVC ELLON WIRE, PVC ELUE WIRE, PVC DALVE WIRE, PVC CAAY WIRE, PVC WAITE	7/0.20 0.120M 24AWG
R267,R268 2	5142810590	RBS. CARBON FILM RBS. CARBON FILM	1MJB <u>+5</u> % 1/4W 220KJB <u>+</u> 5% 1/6W	J835 1 J836 J	6130003522 6130003533	WIRE,PVC RBD WIRE,PVC ORANGE	7/0.20 0,850H 24AWG 7/0.20 0.130H 24AWG
R270 1	5142822490	RES. CARBON FILM	220KJB ±5% 1/4W	J837 1	6130003599	WIRE, PVC WHITE WIRE, TIN COATED SOFT COPPER	7/0.20 0.140H 24AWG 0.68 0.060H 24AWG
R271,R272 2 R273,R274 2	5142847190 5142891390	RES CARBON FILM RES CARBON FILM	470JB <u>+</u> 5% 1/4¥ 91KJB <u>+</u> 5% 1/4¥	J838 1 J839 1	6130003500	WIRE, PVC BLACK	7/0.20 0.070M 24AWG
R275,R276 2	5142810490	RES. CARBON FILM RES. CARBON FILM	100KJB ±5% 1/4W 100JB ±5% 1/4W	J840 1 J841 1	6130003511	WIRE, PVC BROWN	7/0.20 0.100K 24AWG 7/0.20 0.055H 24AWG
R279 1	5142822390	RES. CARBON FILM	22KJB <u>+</u> 5% 1/4W	J842 1	6130003533	WIRE, THE COATED SOPT COPPER WIRE, PVC BROWN WIRE, PVC BROWN WIRE, PVC BROWN WIRE, PVC CANAGE WIRE, PVC CROWN WIRE, PVC BROWN WIRE, PVC BROWN ICE, PVC BRO TR. PVP BFC TSB TR. PVP BFC TSB	7/0.20 0.055M 24AWG 7/0.20 0.060M 24AWG
		RES. CARBON FILM RES. CARBON FILM	100RJB ±5% 1/4W 1MJB ±5% 1/4W	J843 1 J844 1	6130003511 6130003511	WIRE, PVC BROWN	7/0.20 0.080M 24AWG
R305,R306	5142812490	RES. CARBON PILK	120KJB ±5% 1/4W	J845 1 Q704 1	6130003522 6645017800	WIRE, PVC RED TC. DIGITAL/ TSB	7/0.20 0.090M 24AWG TD6301AP DIP28
R309,R310 2	5142847390	RBS. CARBON FILM RBS. CARBON FILM	IRJB +5% 1/4W 47KJB +5% 1/4W	9705	6623002050	TR. PNP HP/ TSB	28A1015-Y
		RES. CARBON FILM RES. CARBON FILM	4E7JB <u>+</u> 5% 1/4W 220JB <u>+</u> 5% 1/4W	Q706 1 Q707 .1	6621001021	TR. NPN HF/ TSB	2SC1815-Y TAPING 2SC1959-Y
R314	5142827290	RBS. CARBON FILM	2K7JB <u>+</u> 5X 1/4W	Q708-Q710 3 Q801 1	6621015332 6647042300	TR. NPN HF/ TSB TC. NEWORY/ NRC	2SC1815-Y UPD7507CU-240 DIP40
R316	516900006	V.R. OSFB502NCO VR. & KOTOR	20KB*2 RK16312M1001	Q802 1	6621015332	TR. HPN HP/ TSB	2SC1815-T
		RES. CARBON FILM	18EJB <u>+5%</u> 1/4¥ 3E3JB <u>+5%</u> 1/4¥	Q804-Q807 4 Q808 1	6623002050 6621015302	TR. HPN RP/ TSB	2541015-Y 25C1815-Y TAPING
R321,R322	2 514286829	RES. CARBON FILM	SKSJB ±5% 1/4W	Q809-Q819 11 Q820 1	6621015332 6646052900	TR. MPH HP/ TSB IC. DIGITAL/ TSB	28C1815-Y TC74HC164P 14P
R325	1 514284750	RES. CARBON PILM RES. CARBON PILM	100JB <u>1</u> 5% 1/4W 4H7JC <u>1</u> 5% 1/4W	R714-R717 4	5142156190	RES. CARBON FILM	560JB ±5% 1/6W
) RBS. CARBON FILM) RBS. CARBON FILM	220KJB ±5% 1/4W 1KJB ±5% 1/4W	R721-R726 6	5142156190		560JB +5% 1/6V
R329	1 514282229	RBS. CARBON FILM	2K2JJB ±5% 1/4W	R727,R728 2 R729-R732 4	5142156101 5142856190	RES. CARBON FILM RES. CARBON FILM	580JC ±5% 1/6W 560JB ±5% 1/4W
R331	1 514281039) RES. CARBON PILM) RES. CARBON FILM	1818	R733-R736 4	5142156190	RES. CARBON FILM	560JB <u>+</u> 5% 1/6W
		P RES. CARBON PILM P RES. CARBON PILM	1KJB ±5% 1/4W 1NJB ±5% 1/4W	R737,R738 2 R739 1	5142110390	RES. CARBON FILM	10KJB +5% 1/6W
R336	1 516901043	3 VR.	20EW RK163111E287	R740 1 R741 1	5142827190	RES. CARBON FILM	270JB ±5% 1/4W 10KJB ±5% 1/6W
R339	1 514281029	D RES. CARBON PILM D RES. CARBON PILM	1KJB <u>+</u> 5K 1/4W	R742 1	5142827190	RBS. CARBON FILM	270JB ±5% 1/49
		D RES. CARBON PILM D RES. CARBON PILM	4M7JB ±5% 1/4W 100KJB ±5% 1/4W	R743 1 R744-R747 4	5142827190	RES. CARBON FILM RES. CARBON FILM	210JB ±5% 1/49
R505,R506	2 513321000	RES. FUSIBLE	10JSL 14A 1W		5142833090	RES. CARBON FILM RES. CARBON FILM	33JB ±5% 1/4W 330JB ±5% 1/6W
R511-R573	3 514281229	O RES. CARBON PILM O RES. CARBON PILM	1E5JB <u>1</u> 5x 1/4¥ 1E2JB <u>1</u> 5x 1/4¥	R750,R751 2	5142822190	RBS. CARBON PILM	220JB ±5% 1/4¥
R514	1 514283319	O RES. CARBON FILM O RES. CARBON FILM	330JB <u>+5%</u> 1/4¥ 18KJB <u>+5</u> % 1/4¥	R753,R754 2	5145815306	RES. CARBON FILM RES. CARBON FILM	15EJU <u>+</u> 5% 1/4%
R516	1 514282739	O RES. CARBON FILM	27KJB <u>+</u> 5% 1/4W	R801 1	5142175390	RES. CARBON FILM RES. CARBON FILM	75KJB ±5% 1/6¥ 1KJB ±5% 1/4¥
	1 514286839 1 514281029	O RES. CARBON PILM O RES. CARBON FILM	68KJB ±5X 1/4W 1KJB ±5X 1/4W	R804 1	5142147390	RES. CARBON FILM	47EJB +5% 1/6W
		O RES. CARBON PILM O RES. CARBON PILM	22KJB ±5% 1/4¥ 82KJB ±5% 1/4¥		5142133300 5142110400	RES. CARBON FILM RES. CARBON FILM	33KJ ±5% 1/6W 100KJ ±5% 1/6W
R521,R522	2 514281529	O RES. CARBON FILM	1X5JB ±5X 1/4W	R807-R810	5142110490	RBS. CARBON FILM RBS. CARBON FILM	100KJB +5% 1/6V 100KJB +5% 1/4V
2524	1 514282739	O RES. CARBON PILM O RES. CARBON PILM	22KJB <u>+</u> 5% 1/4W 27KJB <u>+</u> 5% 1/4W	R812,R813 2	5142847090	RES. CARBON FILM	47JB ±5% 1/4W
		O RES. CARBON FILM O RES. CARBON FILM	82KJB ±5% 1/4W 100KJB +5% 1/4W	R814 1 R815 1	5142147090 5142822390	RES. CARBON FILM RES. CARBON FILM	47JB <u>+</u> 5% 1/6¥ 22KJB <u>+</u> 5% 1/4¥
R903,R904	2 514281039	O RES. CARBON FILM	10KJB +5% 1/4W	R816 1	5145847006	RES. CARBON FILM	47J20 +5% 1/49 47JB +5% 1/49
		O RES. CARBON FILM O RES. CARBON FILM	120KJB ±5% 1/4W 10KJB ±5% 1/4W		5142810490	RBS. CARBON FILM RBS. CARBON FILM	100KJB ±5% 1/4W
R909, R910	2 514281059	O RES. CARBON FILM O RES. CARBON FILM	18JB ±5% 1/4W	R822,R823 2	5142122190	RES. CARBON FILM RES. CARBON FILM	220JB ±5% 1/6W 10RJB ±5% 1/4W
R913,R914	2 514281039	O RES. CARBON FILM	10KJB <u>+</u> 5% 1/4W	R825	5142156190	RES. CARBON FILM	560JB 15% 1/6W
R915		Q RES. CARBON FILM FO RES. CARBON FILM	22EJB +5% 1/4W 10EJB +5% 1/4W	R826 R821	5142122190	RES. CARBON FILM RES. CARBON FILM	220JB +5% 1/6W
		O , SLIDE SWITCH	ZFUB22-10	R828 R829	5142110490	RES. CARBON FILM RES. CARBON FILM	100XJB ±5X 1/6W 10XJB ±5X 1/6W
	•	COPY PCB BLOCK		R830	5142110490	RES. CARBON PILM	100KJB ±5% 1/6W
J256-J258	3 61192106	O WIRE, TIN COATED SOFT COPP	ER 0.69 0.060M	R831	1 514282219(RES. CARBON FILM	220JB ±5% 1/4W

SYNBOL NO I/D	977	PART NO.	DESCRIPTION RES. CARBON FILM RES. CARBO	SPECI	FICATION			SYNBOL NO	I/D	QTT	PART NO.	DESCRIPTION CAP. CBB. CAP. CBB. CAP. CBB. CAP. BL. CAP. CBB. CAP. BL. CAP. CBB. CAP. CB	SPECI	PICATION	
R832,R833	2	5142815390	RES. CARBON FILM	15KJB	<u>+</u> 5%	1/4¥		C179,C180		2	5231510291	CAP. CER.	1000PFHT	<u>+</u> 20%	50V
R834 R835	1	5142115390 5142156190	RES. CARBON FILM RES. CARBON FILM	15KJB 560JB	<u>+</u> 5% +5%	1/6W 1/6W		C181,C182 C183,C184		2	5231822391 5213647991	CAP. CER. CAP. EL.	22000PFZT 4.7uFMT	+80-20% +20%	50V 50V
R836	į	5142110390	RES. CARBON FILM	10KJB	±5%	1/6¥ 1/4¥		C551 C553		1	5222222301	CAP. POLY.	22000PFE	±10%	50V
1837 1838	1	5142810390	RES. CARBON FILM	560JB	<u>+</u> 5%	1/64		C554		1	5213547112	CAP. BL.	470uFK	±20%	35V
R839 R840	1	5142110390 5142115390	RES. CARBON PILM RRS. CARBON PILM	10KJB 15KJB	<u>+</u> 5% +5%	1/6W 1/6W		C555 C556		1	5213547091 5231822391	CAP. BL. CAP. CBR.	47uPMT 22000PPZT	+20% +80-20%	35V 50V
R841 R842	1	5142856190	RES. CARBON FILM	560JB	±5%	1/4W 1/6W		C557 C558		1	5213447091	CAP. EL.	47uFHT	±20%	25V
R843	1	5142115390	RES. CARBON PILM	15KJB	±5%	1/69		Č559		1	5213310112	CAP. EL.	100uPM	±20%	16V
R844 R845	1	5142156190 5142110390	RES. CARBON FILM RRS. CARBON FILM	10K1B 2001B	<u>+</u> 5%	1/6¥ 1/6¥		C560 C561		1	5213310191 5213522112	CAP. BL.	10Gufft 220aff	±20%	35V
R846 R847	1	5142115390	RES. CARBON PILE	15KJB Seoje	+5%	1/6W .		C564 C565		1	5213722110 5213647091	CAP. RL.	220uPN 47nPN	+20% +20%	63¥ 50¥
R848	i	5142110390	RES. CARBON PILM	10KJB	±5%	1/69		C566		i	5213601091	CAP. BL.	lufut	±20%	50V
R849 R850	1	5142115390 5142110390	RES. CARBON FILM	10KJB	±5%	1/6W 1/6W		C567 C568		1	5222222301	CAP. POLY.	22000PFZT 22000PFE	+80-20% ±10%	504 V03
2851 2852	1	5142815390 5142822190	RES. CARBON PILM RES. CARBON PILM	15KJB 220JR	±5% +5%	1/4W . 1/4W		C572 C573		1	5213322212 5231822391	CAP. BL. CAP. CRR.	2200uFN 22000PFZT	+20% +80-20%	16V 50V
R855	i	5142810490	RES. CARBON FILM	100KJB	±5%	1/4¥		C574 C575		í	5213122191	CAP. BL.	220uPMT	±20%	6.3V
R856 R857-R859	3	5142810490	RES. CARBON FILM	100KJB	±22 107	1/6¥ 1/4¥		C576		1	5213310012	CAP. BL.	10uPM	±20%	16V
R860 S101	1	5142115390 5054512940	RES. CARBON FILM SWITCH, TACT SPST ALPS	15KJB P=100GP	<u>+</u> 5% H=4.3MK	1/6¥ DC12V/50mA		C577 C701		I I	5213610091 5213647991	CAP. BL.	10uFMT 4.7uFMT	±20% +20%	50V. 50V
\$701-\$711 \$801-\$810	11	5054512940	SWITCH, TACT SPST ALPS SWITCH, TACT SPST ALPS	F=100GF F=100GF	H=4.3MM	DC12V/50mA DC12V/50mA		C703 C705		1.	5213601091	CAP. BL.	luput 17aput	+20%	50V
1801-2010	i	5550000200	INFRARED RENOTE CONT. RECEI	VER	BX-1387/	HC140K		C814,C815		2	5213322091	CAP. BL.	22uPMT	±20%	167
			LED PCB BLOCK					C913 C932		1	5231847391 5215001201	CAP. CER. CAP. BL. (LOW LC)	4700uPHT 4700uPH	+20% +20%	50V 6.3V
D113,D711	2	6618009400	DIORD, LED YELLOW/ SEW	SB-9431D	2*5mm	DIFFUSED		C933 C934		i	5242218091 5552402900	CAP. CER.	18PFJT CTZ51F111	±5%	50V OOFR
PART LIST		####	PARENT BLOCK : RRS. CARBON PILM	100KJ		1.00		C935 C936		1	5242247091	CAP. CBR.	47PPJT	±5%	50V
R760		5142110400 #####	PARENT BLOCK :	10045	<u>+</u> 5%	1/6¥		C937,C938		2	5231810391	CAP. CBR.	10000PFZT	+80-20%	50V
			TUNER PCB ASS'Y					C939 C940		1	5231847391 5213647891	CAP. CER.	47000PPMT 0.47uPMT	±20% +20%	50V 50V
5010	,	1111111111	TOWER PCB BLOCK	NAD-7100				C941 C942		I	5213510112	CAP. BL.	100mPT	±20%	35V
5C10A	2	7033161156	SCREW BRB RUD TS PC	#3.0*08				C942	Ål	i	5231822391	CAP. CER.	22000PPZT	+80-20%	50V
B100 C100	1	5553131601 5247068001	TUNER PCB CAP. CBR.	279*158 68PPJ	HAD-1600 +5%	50V		C942 C942	B B1	1	5231822391 5231822391	CAP. CER.	22000PPZT 22000PPZT	+80-20% +80-20%	50V 50V
C102 C103,C104	1	5231810391	CAP. CER.	10000PFZT	+80-20%	50V 50V		C942 C943	C	1	5231822391 5236310402	CAP. CER.	22000PFZT	+80-20% +80-20%	50¥ 50¥
C105	i	5231847391	CAP. CER.	47000PPNT	120%	50V		C944 C945		i	5213601091	CAP. BL.	luPHT	+20x	50V
C106 C107	1	5231847391	CAP. CER.	47000PFMT	120%	50V		C946,C947		2	5213601091	CAP. EL.	1uPMT	±20%	50¥
C108,C109 C110	2 1	5231822391 5231510291	CAP. CER.	22000PFZT 1000PFNT	+80-20% +20%	50V		C948 C949		1	5231810391 5231522291	CAP. CER.	10000PFZT 2200PFMT	+80-20% +20%	50V 50V
C111 C112,C114	1	5231810391 5231822391	CAP. CER.	10000PFZT	480-20% 480-20%	50V		C950,C951 C953		2	5231810391 5231810391	CAP. CER.	10000PFZT	+80-20% +80-20%	50V 50V
C118 C119-C121	į	5231822391	CAP. CER.	22000PFZT	+80-20%	50V		C954 D101,D102		1	5231510291	CAP. CBR.	1000PPKT	<u>+</u> 20%	50V
C122	1	5231822391	CAP. CER.	22000PPZT	+80-20%	50V		D103-D105		3	6613003030	DIOBE, SWITCHING/ ITT	184148		
C123 C124	1	5213601012 5213610891	CAP. EL.	luf# 0.luf#T	±20% ±20%	50V		D107,D108 D109,D110		2	6613003030 6614004900	DIODE, SWITCHING/ ITT DIODE, VARICAP/ SYO	1N4148 SVC321A		
C125 C126	1	5231822391 5231847391	CAP. CER.	22000PFZT	+80-20% +20%	50V 50V		D112,D114 D115,D116		2	6613003030	DIODE, SWITCHING/ ITT DIODE, DETECTOR/ TSB	1H4148 1N60		
C127 C128	1	5213310112	MAIN SINK (3) TUMER 208 CAP. CER.	100uFN	±20%	16V		D118 D551-D554		1	6613003030	DIODE, SWITCHING/ ITT	1N4148 1N4002	100V	1.0A
C129	1	5213222191	CAP. BL.	22000FFT	±20%	10¥		D555		1	6615013800	DIODE, RECTIFIER/ NOT			
C130 C131	1	5213622991 5247122191	CAP. BL. CAP. CER.	2.2uFNT 220PFKT	±20% ±10%	50V		D556-D559 D560				DIODE, RECTIFIER/ NOT DIODE, SWITCHING/ ITT	1N4002 1N4148	100¥	1.04
C132 C133	1	5213610091 5213622991	CAT. BU.	10uFMT 2.2uFMT	74UA	50V 50V		D561,D562 D563		2	6611007230	DIODE, RECTIFIER/ NOT DIODE, SWITCHING/ ITT	1N4002 1N4148	1007	1.0A
C134,C135 C136,C137	2	5231822391 5552402900	CAP. CER.	22000PFZT	+80-20%	50V		D823-D826		4	6613003030	DIODE, SWITCHING/ ITT	1N4148		
0100		*******	ALD ADD	CTZ51F111 5PFC 420PFJ	. 4 45 88	PA11		D931-D934 D937-D940		4	6613003030	DIODE, SWITCHING/ ITT DIODE, SWITCHING/ ITT	1N4148 1N4148		
C139 C140	1	5226142100 5231847391	CAP. POLY.	420PFJ 47000PPKT	<u>+</u> 5% <u>+</u> 20%	50V 50V		P551 P551				PUSE, MEDIUM BLOW SMT1 FUSE, MEDIUM BLOW SMT1	5.2*20 5.2*20	125Y 125V	la la
C141 C142	1	5231510291 5231822391	CAP. CER.	1000PFNT 22000PF2T	+20% +80-20%	50V 50V		P551 P551	B B1		5554306800 5554306800		5.2*20 5.2*20	250V 250V	1A 1A
C143 C144	i	5213647991	CAP. EL.	4.7uFHT	+20X	50V		P551	C C1	i	5554306800	PUSE, 751	5.2*20	250V 250V	1A 1A
C145	1	5231822391	CAP. CER.	22000PFZT	+80-20%	50¥		P552	Á				5.2#20	125V	14
C146 C147	1	5213647991 5231810391	CAP. EL. CAP. CER.	4.7uPMT 10000PPZT	±20% +80-20%	50V 50V			A1 B	1	5554309810 5554306800	FUSE, MEDIUM BLOW SMT1 FUSE, T51	5.2*20 5.2*20	125V 250V	ia ia
C148 C149	1	5213310112 5231510291	CAP. EL. CAP. CER.	100uPM 1000PPMT	±20% +20%	16V 50V		P552	B1 C	1	5554306860 5554306800	PUSE, T51 PUSE, T51	5.2*20 5.2*20	250Y 250Y	1 Å 1 Å
C150 C151	1	5231822391	CAP. CER.	22000PFZT	+80-20%	50V			Cl	İ	5554306800	FUSE, 751	5.2*20	250V	1Å
C152	i.	5213610091	CAP. RL.	10uPHT	±20%	50V	-	1103		1	5565105200	FUSE, MEDIUM BLOW SMT1 FUSE, 751 FUSE, 751 FUSE, 751 FUSE, 751 FUSE, 751 AN IFT	2150-384-1	1142	
C153 C154	1	5231822391 5213610091	CAP. CER.	ZZOOOPFZT 10upkt	+80-20% ±20%	50V 50V		I104 J100,J101		1 2	5555105400 6119210600	AM IFT (2) WIRE, TIN COATED SOFT COPPER	2150-384-1 0.60		
C155 C158	1	5222122391 5231822391	CAP. POLY.	22000PFJT 22000PF7T	±5% +80-20%	50¥ 50¥		J103 J105-J112		1 8	6119210600 6119210600	WIRE, TIN COATED SOFT COPPER WIRE, TIN COATED SOFT COPPER	0.6Ø 0.6Ø	0.060K	
C160 C161	1	5236210401	CAP. SEMI.	0.luFH	±20%	25V		J114-J121 J123-J130		8	6119210600	WIRE, TIN COATES SOFT COPPER WIRE, PVC BLUE WIRE, PVC BLUE WIRE, PVC WITTE WIRE, PVC COATES SOFT COPPER WIRE, PVC COATES SOFT COPPER	0.60	0.060K	
C162	1	5213610091	CAP. BL.	10uPMT	±10%	50V		J131		1	6130003566	WIRE, PVC BLUE	7/0.20	0.0908	STANG
C163 C164	1	5222147391 5213322112	CAP. POLY.	47000PFJT 220uPM	±5% ±20%	50¥ 16Ý		J132 J133		1	6130003544 6130003599	WIRE, PVC YELLOW WIRE, PVC WRITE	7/0.20 7/0.20	0.030M 0.070M	24 A WG 24 A WG
C165 C166	1	5215000400 5213601091	CAP. EL.	0.22uFM luFM7	±20% +20%	50V 50V		J134 J135		1	6130003577 6119210600	WIRE, PVC PURPLE WIRE, TIN COATED SOFT COPPER	7/0.20 0.68	0.040M 0.060M	24AWG
C167 C168	1	5213601012	CAP. BL.	luff	+20%	SOV		J143 J148		1	6130003566	WIRE, PVC BLUE	7/0.20	0.160M 0.080M	24AWG 24AWG
C169	1	5222210391	CAP. POLY.	10000PPET	±10%	50V		J149		1	6130003511	MIRE, THE COATED SOFT COPPER WIRE, THE BLUE WIRE, PVC BLUE WIRE, PVC BROWN WIRE, PVC ORANGE	7/0.20	0.0708	24AWG
C170 C171 A	1	5226191100	CAP. POLY.	v. lufk 910PPJ	<u>+</u> 20% <u>+</u> 5%	204 504		J150 J151		1	0113410000	MIND IIIN CONTRO DOLI COLLON	V - OD	0.150M 0.060M	24AWG
CI71 AI CI71 B	1	5226191100 5226142100	CAP. POLY.	910PPJ 420PPJ	±5% ±5%	50V 50V		J152 J563-J576		4	6119210600	WIRE, PVC PURPLE WIRE, TIN COATED SOFT COPPER	0.68	0.130M 0.060M	24 A W G
C171 B1 C171 C	1	5226142100	GAP. POLY.	420PFJ	±5%	50V		J?16,J?17 J931-J937		2	6119210600	WIRE, TIN COATED SOFT COPPER WIRE, TIN COATED SOFT COPPER	0.68	0.060M	
CITI CI	i	5226142100	CAP. POLY,	420PFJ	<u>1</u> 5%	50Y		J938	Å.	i	6119210600	WIRE, TIN COATED SOFT COPPER WIRE, TIN COATED SOFT COPPER WIRE, TIN COATED SOFT COPPER	0.68	0.068M	•
C172 A C172 A1	1	5226191100	CAP. POLY.	alobal atobal	<u>t</u> 5% <u>+</u> 5%	50¥		J939-J947	#I	9	6119210600	WIRE, TIN COATED SOFT COPPER	0.68	0.060M 0.060M	
C172 B C172 B1	1	5226142100 5226142100	CAP. POLY.	420PFJ 420PFJ	±5% ±5%	50V 50V		L101 L102		1	5564102600 5564313200	AN OSC COIL (1200H)	C02-384-94 2157-384-1	€07 € 220	
C172 C C172 C1	1	5226142100 5226142100	CAP. POLY.	120PPJ 420PPJ	±5%	50V 50V		P105-P108 P113-P115		1	5556201900 5556201900	SQUARE PIN	1,1#1,1#16	5	
C173,C174 C176	2	5213647991	CAP. CAR. CAP. POLY. CAP. CAR. CAP. CAP. CAR. CAP.	1.TuPMT	±20%	50V		P551-P557		7	5556201900	AW OSC COIL (120UH) SQUARE PIN SQUARE PIN SQUARE PIN FUSE CLIP (5.2) 5P NALE WAPER	1.1*1.1*1	5	
C178	i	5240103000	CAP. KOHO.	1000PPRT 82PPJ	<u>+</u> 20% +5%	50V		P558-P561 P701				SP HALE WAFER	CQ-2038	3 T2-B	

STREEL NO 1	[/D QTY	PART NO.	DESCRIPTION	SPECIFICATION		SYMBOL NO I/D QTY			SPECIFICATION
P702	 1	5554102004	4P HALB WAFBR	IL-G-4P-S3T2-E	ANG28‡ IP16	R182 C 1	5142112490	RES. CARBON FILM	
P703,P704 P931	2	5556201900 5556102011	SQUARE PIN	1.1*1.1*16 IL-G-11P-S3T2-E		R182 C1 1 R183,R184 i		RES. CARBON PILM RES. CARBON FILM	120KJB ±5% 1/6W 120KJB ±5% 1/4W
P932	i	5556102010	10P HALE WAPES	IL-G-10P-S372-E		1 3819	5142847290	RES. CARBON PILM RES. CARBON PILM	4K7JB ±5% 1/6W 4K7JB ±5% 1/4W
P933 P934	1	5556900220	3P PVC PARALLEL WIRE BLK	7/0.16 L=120mm	AVG26#	R189,R190 2	5142168290	RES. CARBON FILM RES. CARBON FILM	6K8JB ±5% 1/6W 1K5JB ±5% 1/4W
P935.P936 Q101.Q102	2	5556201900 6621012101	3P PUP PARALLEL VIRE BLK SQUARE PIN TR. MPM HP7 SYO TR. MPM HP7 TSB IG LIMEARY TSB IG LIMEARY SYO TC. LIMEARY SYO TR. MPM HP7 TSB TR. MPM HP7	28C903E	IPIS P20 Taping Taping Taping O.3a 3p	2193 1	5142812390	RES. CARBON FILM	12KJB ±5% 1/4W
Q103 Q104,Q105	1	6621015332 6644000300	TR, MPN HP/ TSB	2SC1815-Y TPB2 TATOGOAP 5P			5142815201 5142822300	RBS. CARBON FILM RBS. CARBON FILM	1R5JC +5% 1/4W 22KJ +5% 1/4W
Q106	1	6644066900	IC LINBAR/ SYO	LA1235 PH IF AMP D	IP16	R551,R552 2	5142810390	RES. CARBON FILM RES. CARBON FILM	10KJB ±5% 1/4W 2K?JB +5% 1/4W
Q108 Q109	1	6644067000	IC LINBAR/ SYO	LAI245 AM TUNER DI	P20	R555 1	5142810190	RES. CARBON FILM	100JB ±5% 1/4% 330JB +5% 1/4%
Q112 Q113	1	6644055800 6621015332	IC LIMBAR/ SYO TR.NPM RF/ TSB	28C1815-Y TPB2		R557 1	5142810390	RES. CARBON FILM RES. CARBON FILM	10KJB +5% 1/4W
Q115 Q116-Q120	1	6623002050 6621015332	TR.PMP RP/ TSB TR.MPN RP/ TSB	25A1015-Y TEP2 25C1815-Y TPE2	TAPING	R558 1 R559 1		RES. CARBON FILM RES. CABON FILM RES. CARBON FILM	22KJB ±5X 1/4W 3K3JB ±5X 1/4W
Q121	1	6623002050	TR.PHP HP/ TSB	2SA1015-Y TEP2 2SE363GR VGDS=-40V	TAPING TAPING			RES. CARBON FILM RES. CARBON FILM	2K2JB ±5% 1/4W 47KJB +5% 1/4W
Q122 Q551	1	6640007500	IC, VOLTAGE REGULATOR/ SYC	678W15 15V	0.5A 3P	R562 1	5142810190	RES. CARBON FILM	100JB ±5% 1/4W 1K8JB +5% 1/4W
Q552 Q553	! !	6621015332 6623002300	TR, NPH HP/ TSB TR, PHP HF/ TSB	2SA562-Y TV		R584 1	5142822390	RES. CARBON FILM	22KJB ±5X 1/4W
Q554 Q555	į 1	6623002050 6621001021	TR.PNP HF/ TSB TR.NPN HF/ TSB	2SA562-Y TV 2SA1015-Y TBP2 2SC1959-Y 2SC1815-Y TPE2	TAPING			ARS. CARROW FILM RES. CARROW	100KJB ±5% 1/4% 1KJB ±5% 1/4%
Q556		*********	TR, NPN HF/ TSB IC, VOLTAGE REGULATOR/ SYO	2SC1815-Y TPE2	0.5A 3P			RES. CARBON PILK RES. CARBON FILM	10KJB ±5% 1/4W 100KJB +5% 1/4W
Q559 Q558	1	6621001021	TR, NPN HP/ TSB	2SC1959-Y	•	R570 1	5142810390	RES. CARBON FILM RES. CARBON FILM	10KJB ±5% 1/4W 4K7JB ±5% 1/4W
Q559 Q560	1	6621015332 6623002300	TR, PNP RF/ TSB	254562-7 TV		R572 1	5142810290	RES. CARBON FILM	1KJB ±5X 1/4W
Q561 Q562	1	6621015332 6623002300	TR.HPH RF/ TSB TR.PHP RF/ TSB	2SC1815-7 TPB2 2SA562-7 TV		R701-R705 5	5145815206	RBS. CARBON FILM RBS. CARBON FILM	47KJB ±5K 1/4W 1K5JU ±5K 1/4W
Q701	1	6644067300	IC LINEAR/ ROH	BA6104 5 SIP9 LR-1450 18P				RBS. CARBON FILM RBS. CARBON FILM	47KJB ±5K 1/4W 10KJB ±5K 1/4W
Q702 Q703,Q931	2	6621015332	TR, MPN HP/ TSB	2SC1815-Y TPB2		R708 1	5142868190	RES. CARBON FILM RES. CARBON FILM	680JB ±5% 1/4W 100KJB ±5% 1/4W
Q932 Q934	1	6645017600 6645017700	IC DIGITAL/ TSB	TD6104P SIP1		R710 t	5162310320	MES. AN' LOTRERIGIEM (B)	THE RUTHS COLOSES TOUR
Q935-Q937 Q938	3	6621015332 6623002050	TR.NPH HF/ TSB TR.PHP HF/ TSB	2SC1815-Y TPB2 2SA1015-Y TBP2	TAPING	R713 1	5142818390	RBS. CARBON FILM RBS. CARBON FILM	56KJ2U ±5% 1/4W 18KJB ±5% 1/4W
Q939,Q940	2	6621015332	TR.NPN HF/ TSB IC DIGITAL/ SYO	28C1815-Y TPB2				RBS. CARBON FILM RBS. CARBON FILM	15KJB ±5K 1/4W 100KJB ±5K 1/4W
Q941 Q941	RB 1	6645019801	IC DIGITAL/ TSB	LC4001BP DIP14	1/6W	R932 1	5142815390		15KJB ±5% 1/4W 39KJB +5% 1/4W
R101 R102	1	5142133190 5142856090	IN, MEM ANY JOS TR, MEM ARY TOR TR, ME	56JB ±5%	1/4W	R934 1	5142833390	RES. CARBON FILM	33KJB <u>+</u> 5% 1/4W
R103 R104	1	5142822090 5142810290	RES. CARBON FILM RES. CARBON FILM	22JB <u>+</u> 5% 1KJB <u>+</u> 5%	1/4¥ 1/4¥	R944 1	5142847090	RBS. CARBON FILM RBS. CARBON FILM	47JB ±5% 1/4W
R105 R106	i	5142822290	RES. CARRON FILM	2K2JB ±5% 270JR +5%	1/4¥ 1/6¥				1KJB ±5% 1/4W 10KJB ±5% 1/4W
R107	!	5142122590	RBS. CARBON FILM	2.2MJB ±5% 120%JB ±5%	1/6¥ 1/6¥	R946 1	5142810390		10%JB ±5% 1/4% 10%JB ±5% 1/4%
R108 R109	1	5142812490	RES. CARBON FILM	120KJB ±5%	1/4₩	R946 1	5142810390	RES. CARBON FILM	10EJB ±5% 1/4W 10EJB ±5% 1/4W
R110 R111			RES. CARBON FILM RES. CARBON FILM		1/6¥ 1/4¥	R946 1	5142810390	RES. CARBON FILM RES. CARBON FILM	10KJB ±5% 1/4W
R112 R113,R114	1	5142810490 5142827190	RES. CARBON FILM RES. CARBON FILM		1/4¥ 1/4¥			RES. CARBON FILM RES. CARBON FILM	150KJB ±5% 1/4W 8K2J2U ±5% 1/4W
R116	1	5142847090	RES. CARBON FILM	47JB <u>+</u> 5%	1/4¥ 1/4¥			RES. CARBON FILM RES. CARBON FILM	10EJ ±5% - 1/4% 100JB +5% 1/4%
R117 R118	1	5142833190	RES. CARBON PILM RES. CARBON PILM	330JB <u>+</u> 5%	1/49	R951 1	5142839390	RES. CARBON FILM RES. CARBON FILM	39KJB +5% 1/4W 10KJB +5% 1/4W
R119 R120			RES. CARBON FILM RES. CARBON FILM	330JB <u>+</u> 5%	1/6V	R953 1	5142827490	RES. CARBON FILM	270KJB +5% 1/4W
R121 R122			RES. CARBON FILM RES. CARBON FILM		1/6¥ 1/4¥			RES. CARBON FILM RES. CARBON FILM	100JB ±5% 1/4% 10KJB ±5% 1/6W
R123,R124 R125,R126	2	5142847290	RES. CARBON FILM RES. CARBON FILM	4K7JB ±5K	1/4W 1/4W			RES. CARBON FILM RES. CARBON FILM	39KJB ±5% 1/4W 47KJB ±5% 1/4W
R127, R128	2	5142847290	RES. CARBON PILM	4K7JB <u>+</u> 5%	1/4W	R959 1	5142815390		15KJB ±5% 1/4W 470KJB ±5% 1/4W
R129 R130		5142110390	RES. CARBON FILM RES. CARBON FILM	10KJB <u>+</u> 5%	1/4W	R961 1	5142810290	RES. CARBON FILM	1EJB ±5% 1/4¥
R131,R132 R134	1	5142810490 5145822206	RES. CARBON PILM RBS. CARBON PILM	2.2KJB +5X	1/4W 1/4W	R963-R966 4	5142822490	RES. CARBON FILM RES. CARBON FILM	220KJB +5% 1/4W
R135 R136,R137	1	5142810490	RES, CARBON FILM RES, CARBON FILM	100k3b ±5% 10k3b ±5%	1/4¥ 1/4¥	R967 1 R968 1	5142147290 5142810490		427JB ±5% 1/6% 100KJB ±5% 1/4W
R138 R140	- 1	5142836190	RES. CARBON FILM RES. CARBON FILM	360JB <u>+</u> 5%	1/4¥ 1/4¥	R969 1 U101 A 1	5142110490 5552102100	RES. CARBON FILM TUNER	100KJB ±5% 1/6W PB407-A16
R141	1	5162412520	RES. VR.	47EK RV10FB473AR	1/4W	U101 A1 1 U101 B 1	5552102100	TUNER TUNER	FB407-A16 FB407-A16
R142 R143	1	5142856390	RES. CARBON FILM RES. CARBON FILM	56KJB +5%	1/4¥ 1/4¥	0101 B1 1	5552102100	TUNER	FB407-A16
R144 R145			RES. VR. PCIDFBIOIAR (B) RES. CARBON FILM	10K RH1051C10310 120JB <u>+</u> 5%	1/8¥ 1/4¥		5552102100	TUHER TUHER	PB407-A16 PB407-G25/R16/2879
R146 R147		5142827290	RES. CARBON FILM RES. CARBON FILM	2.7KJB ±5% 12KJB +5%	1/4W 1/4W	2101-2103 3	5550103630		7.2HHZ 16PF 2NN SPB10.7NL-A
R148	1	5162310420	RBS. VR. PCIDFBIOIAR (B) RBS. CARBON FILM	100K RG1051C10410		Z106 1	5565302500 5550103300	PM PTZ FILTER CERAMIC FILTER	34H-056-1366 SFZ450G
R149 R150		5142812390	RES. CARBON FILM	12RJB <u>+</u> 5%	1/49	2108	5550103400		BFU450C4N CSB456F11
R151 R152		5145833306	RES. CARBON FILM RES. CARBON FILM	33KJ2U <u>+</u> 5%	1/4¥ 1/4¥			LOW PASS PILTER	KM-10DF
R153 R154		5142815190	RES. CARBON FILM RES. CARBON FILM		1/4¥ 1/4¥			A/K SW PCB BLOCK	
8155 8156		5142882090	RES. CARBON FILM RES. CARBON FILM	82JB ±5%	1/4W 1/4W	S931 1	5554434700	1P POSE SWITCE (SPX-02)	HY-76035
R15?		1 5142815296	RES. CARBON FILM RES. CARBON FILM	1.5KJB ±5%	1/4¥ 1/4¥	L103 1	4463946999	ANT BOARD PCB BLOCK PRAKING COIL	BC36-560K 56UH ±10*N
R158 R159		5142822090	RES. CARBON PILM	470JB <u>+</u> 5% 22JB <u>+</u> 5%	1/4W			2P TERMINAL	S-Q2723#40
R160,R161 R162		5142810290	RES. CARBON FILM RES. CARBON FILM	10KJB ±5% 1KJB ±5%	1/4¥ 1/4¥				
R165 R166			RES. VR. PCIDPBIOIAR (B)	100K RG1051C10410	1/8W 1/4W	1901 2	5535444893	PACKING, ASS'Y SBRIAL LABBL HAD-1600	HAD-1600
R167 R171		1 5142882391	RBS. CARBON FILM RBS. CARBON FILM	82KJB ±5% 100JB ±5%	1/4V 1/4¥	1P03 1	9520680155 9520680255	BPS PAD-L MAD-7100 BPS PAD-R MAD-7100	445* 178* 106 SGO.018 445* 178* 106 SGO.018
R172		1 514281010	RBS. CARBON FILM	100JC ±5%	1/49	1905	9530520155	PRINT PE BAG WAD-3020B SHEET WAD-7100	0.04* 600* 525 242* B1 BBS12.0
R174 R175		1 514283329	RES. CARBON FILM RES. CARBON FILM	47J20 ±5% 3%3JB ±5%	1/4¥ 1/4¥	1907	9510680555	RS CARTON NAD-1600	B 198# 536# 455#DBS18.0
R176 R178		1 516241252 1 514286839	RES. VR RES. CARBON FILM	47KH RV10FB473AR 68KJB <u>+</u> 5%	1/4V 1/6V	1909 . 1	5535447300	RS CARTON . HAD-1600 LABBL (P) NAD-7100	B 440* 556* 475 DBS18.0 NAD-7100
E181	٨ .	1 514218239 1 514218239	RES. CARBON FILM	32KJB +5% 82KJB +5%	1/6W 1/6W	1P10 1	9554130900 9530680155	PB BAG BPB BAG NAD-7100	0.04* 325* 225 1* 45* 440* 105
R181	В	1 514211249	RES. CARBON FILM	120KJB +5%	1/6W	1912	9554100400		0.04* 250* 100 120V UL-1 A
R181	C	1 514211249	RES. CARBON FILM D. RES. CARBON FILM	120KJB ±5K 120KJB ±5K	1/6W 1/6W	IPIS AI	5535444910	SPEC. LABRI	120V UL-1 A1
	A	1 514211249 1 514218239	O RES. CARBON FILM	12013B <u>+</u> 5% 8213B <u>+</u> 5%	1/6¥ 1/6¥		5535444930	SPEC. LABEL SPEC. LABEL	240V BS B 240V SA-2 B1
R182	Al	1 514218239 1 514211249	O RES. CARBON PILM	82KJB +5K 120KJB +5K	1/6W 1/6W	1P13 C 3	5535444940 5535444950	SPEC. LABEL SPEC. LABEL	220V CBB-2 C 220V CBB-2 Cl
			O RES. CARBON FILM	120KJB +5%	1/6¥			WARRANTY CARD	NAD-3200/7200

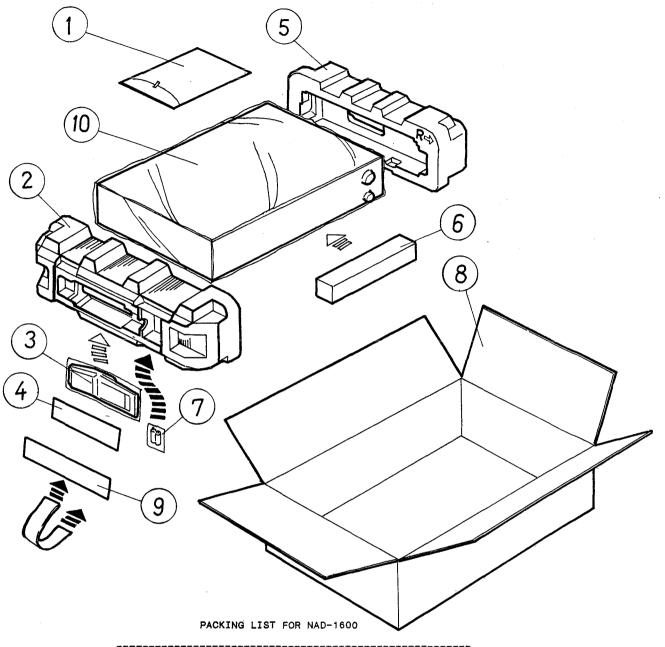
				PART NO.	DESCRIPTION	SPECIFICATION		SYMBOL NO	I/D	QTT	PART NO.	DESCRIPTION	SPECIFICATION
1P16	В		1	5535203600	WARRANTY CARD	HAD-3200/7200		6F07		1	5542225300	BRIGH DOUBLE BEILL HEMELOW (5) HEMELOW (1,1) WASHER-PVC LOCY WASSEER BASE, WS WIER CABLE COAXIAL 300V WIER, PVC BLUN, 24AWG WIER, PVC BLUN, 24AWG WIER, PVC DURPLE 24AWG WIER, TWIN SHELD BED 28; WIER, TWIN SHIELD BED 28; WIER, TWIN SHIELD BED 28; WIER, TWIN SHIELD BED 28; INSULATION TUBING 7:105 AI INSULATION TUBING 7:105 AI INSULATION TUBING 7:105 AI INSULATION TUBING 7:105 AI	NAD-7100 .
1P19 1P18	A1				SAFETY INSTRUCTION LABEL, SERIAL NO.	TV-19TD SYSTEM (47#9)		6F09		2	5542006100	HENETON (2)	28*6.5MM
1924 1925					WARRANTY CARD (N) WARRANTY CARD (S)	NAD-USA TV-19TD STSTEM (47*9) NAD-7225PE-A NAD-7225PE-A NAD-SERIES		6P11 6R01		2	5542006110 5547531700	HENELON (L) WASHER-PVC	45*6.5KM NAD-1600
1P26	^	RV	ì	5525419900	SHIPPING CARTON LABBL	NAD-SERIES		7B01		1	7101201202	LOCE WASSHER	D21*D12*1.2T
1P30 1P31	CI		1	5535450200	GERMAN POST OFFICE	NAO-SERIES 44° 250° 53 500.018 44° 250° 53 500.018 44° 250° 53 500.018 840-SERIES 240° 120° 5814.0 300.08H 61.8H 17/0.15 2.000 K 840-7100 1.59 UN-3 2-U4010F01 2-U4010F01 2-U4010F01 2-U4010F01 2-U4010F01 2-U4010F01 3-U5011812 S-U5011812 S-U501		J140		1	6150112101	WIRE CABLE COAXIAL 300V	1.7C-2V 0.120M BLR UL
1P33			2	9510885255	SHEET HAD-7100	240* 120 BS14.0		J144 J145		1	6130003544 6130003566	WIRB, PVC YELLOW, 24AWG	7/0.20 0.460M 7/0.20 0.460M
A101 A102			1	6175341709	WIRE,STRANDED 22#	17/0,18 2.000 K		J146		i	6130003577	WIRE, PVC PURPLE 24AWG	7/0.20 0.360M
P000 P001		RV RV	1	5552000200 8910151403	REMOTE CONTROL TRANSITTER BATTERY.DRY	NAD-7100 1.5V UK-3		J147 J356		1	6179302802 6179302801	WIRE, PWIN SHIELD BED 28# WIRE, TWIN SHIELD BEN 28#	7/0.12 0.340M 7/0.12 0.270M
P002	Á		1	5552302800	ANT. ABAPTOR	2-04010#01		J357		1	6130003588	MIRB, PVC GRAY 24AWG	7/0.20 0.280M
P002 P002	A1 B		1	5552302900	ART. ADAPTOR	S-U5011#12		13834		i	6707020140	INSULATION TUBING T=105 AN	G15/600V 0.010H BLK 1.4
P002 P002	B1 C		1	5552302900 5552302900	ART. ADAPTOR ART. ADAPTOR	S-U5011#12 S-U5011#12		1384¥		1	6173312803 6707020140	MIRE, SHIBLD ORE 28# SRPVC INSULATION TUBING T=105 AN	7/0.12 0.450H 1G15/600Y 0.010H BLK 1.4
2002	Cl		1	5552302900	ANT. ADAPTOR	S-U\$011#12		J385 J385A		1	6173312808	WIRE, SHIELD GRY 28# SRPVC INSULATION TUBING T=105 AV	7/0.12 0.450H
P004 P004	8 81		1	5556400700	ANT. CONNECTOR	SH-156		1386		1	6173312806	WIRE, SHIBLD BLE 281 SRPVC	7/0.12 0.450K
P004 P004	C C1		1	5556400700 5556400700	ANT. CONNECTOR	SH-756 SH-756		J386A J500	Į.				G15/600V 0.010W BLK 1.4 UL BLK, AWG18# 41/0.16*2C*2.10
Y500			1	5535122520	OWNERS MANUAL	NAD-1600			Å1 B	1	5556702121	POWER CORD W/PLUG SPT-2 POWER CORD BLK GTBS-2F	
7501 7502	Å		1	5535122528	OWNERS MANUAL	NAD-1600		J500	B1	1	5556702011	AC POWER CORD W/PLUG BLK	SAA 42/0.15*2C*1.8M
7502 7503	C		1	5535122528 5535122529	OWNERS MANUAL OWNERS MANUAL	NAD-1600 NAD-1600			C C1			AC POWER CORD W/PLUG BLK AC POWER CORD W/PLUG BLK	
Y503	čl		1	5535122529	OWNERS MANUAL	NAD-1600		J551 J552		1	6130003560	WIRE, PVC BLACK 24AWG	7/0.20 0.330M
Y504	С		ı	5090308057	CHASSIS ASS'Y	WVD-1000		J553		1	6130003588	WIRB, PVC RED 24AWG WIRB, PVC GRAY 24AWG	7/0.20 0.270H
1932 2801	В		1	5535450300 5535444893	BS POWER CORD LABEL SERVAL LABEL	NAD-SBRIBS NAD-1600			A Al			WIRE, PVC RED 600V/5A T=105 WIRE, PVC RED 600V/5A T=105	
2802	Al		2	5535448400	LIGHTNING LABRE	UL NA CONTEC		J554	В	- 1	6140071922	WIRE, DOUBLE INSULATED RED WIRE, DOUBLE INSULATED RED	17/0.16 0.350M 22AWG
2001 2001			1	5535449800	SC PYSET	NAD-7225		J554	B1 C	1	6140071922	WIRE, DOUBLE INSULATED RED	17/0.16 0.350W 22AWG
3F01 3F02			1	5541537900 5541538000	OWRES HANDAL OWRES HANDAL OWRES HANDAL OWRES HANDAL OWRES HANDAL CHASSIS ASS'Y BS POVER CORD LABEL SERIAL LABEL LIGETHINE LABEL LIGETHINE LABEL INSPECTION LABEL SC LABEL VOL. RNOB VOL. RNOB (S) TOGGGE C.P. PUSH BOTTON BAND INOB PLAY BUTTON POWER RNOB CONTROL RNOB PLAY BUTTON PUSH RNOB (S) BACE PLATE (120Y) BACE PLATE	NAD-7100 NAD-7100			C1 A			WIRE, DOUBLE INSULATED RED WIRE, PVC ORN 600V/5A T=105	17/0.16 0.350M 22AWG 7/0.26 0.340M
3F03			1	5541537800	TOGGLE CAP.	NAD-7100			Al B	1	6176560603	WIRE, PVC ORN 600V/5A T=105 WIRE, DOUBLE INSULATED ORN	
3F04 3F08			12	5541537300	BAND ENOB	NAD-7100		J555	B1	1	5140071933	WIRE, DOUBLE INSULATED ORN	17/0.16 0.340H 22ANG
3F20 3F21			1	5541537600 5541537200	PLAY BUTTON POWER KNOB	HAD-7100 HAD-7100			C C1			WIRE, DOUBLE INSULATED ORN WIRE, DOUBLE INSULATED ORN	17/0.16 0.340M 22AWG 17/0.16 0.340M 22AWG
3F22			4	5541537510	CONTROL KNOB	NAD-7100		J556	A A1	ı	6176560602	WIRE, PVC RED 600V/5A T=105 WIRE, PVC RED 600V/5A T=105	7/0.26 0.130H
3F26 3F34			1	5541537110	PUSH INOB (S)	NAD-7100		J557	Å	1	6176560600	WIRE, PVC BLE 600V/5A T=105	7/0.26 0.080M
5801 5801	A Al		1	5547136100 5547136100	BACK PLATE (120V) BACK PLATE (120V)	NAD-1600 NAD-1600			A1 A			WIRE,PVC BLE 600V/5A T=105 WIRE,PVC ORN 600V/5A T=105	
5B01 5B01	8 18		1	5547136120	BACK PLATE (240V)	NAD-1600			A1 B	1	6176560603	WIRE, PVC ORN 600V/5A T=105 WIRE, DOUBLE INSULATED ORN	7/0.26 0.140H
5B01	C		1	5547136110	BACK PLATE (220V)	NAD-1600		J558	Bi	1	6140071933	WIRE, DOUBLE INSULATED ORN	17/0.16 0.140M 22AWG
5801 5801%	Ci		1 20 l	5547136110 7033161156	BACK PLATE (220V) SCREW BRB M3.0*08 S-PC	NAD-1600 C RUD 3008 TS PC			C Ci			WIRE, DOUBLE INSULATED ORN WIRE, DOUBLE INSULATED ORN	
5B01P 5B02				7001120216 5547033900		C PAN #2.5#4 MS PC NAD-7100			å å1	1	6176560600	WIRE, PVC BLK 600V/5A T=105 WIRE, PVC BLK 600V/5A T=105	7/0.26 0.140M
5805			ì	5546121400	TERNINAL	NAD-310/710		J559	В	1	6140071900	WIRE, DOUBLE INSULATED BLK	17/0.16 0.140K 22AWG
58050 5805%					NUT ISO N3.5(2.9H) S-ZN-CC WASHER TOOTH LOCK-EXT N3.5	K3.5 S-2N-CG			B1 C			WIRE, DOUBLE INSULATED BLK WIRE, DOUBLE INSULATED BLK	
5805N 5005			1	7096210006	WASHER HW3.5 S-PC	2.7*9.0*0.5 HAD-1600		J559 (C1			WIRE, DOUBLE INSULATED BLK WIRE, PVC RED 24AWG	17/0.16 0.140H 22AWG 7/0.2 0.280H 24AWG
5C05H			2	7000305012	SCREW BYBW	M3.0*08		J561		1	6130003577	WIRE, PVC PURPLE 24AWG	7/0.2 0.330H 24AWG
5005N 5007				7033160652 5547035800	SCREW BRB HOLDER	M3.0*06 NAD-7100		J625-J633 J641	Å.		5540100701 6707020460	INSULATION TUBING T=102 VA	G5/600V 0.110M BUK 4.6
5F01 5F01H				5541002310	TOP COVER SCREW ISO PPW ZH-PC (BLK)	NAO-110 (SPCC 1.0T)			Al A			INSULATION TUBING T=105 AW WIRE, TIN COATED SOFT COPPE	
5F02			6	554?131500	PRONT BRACKET	HAD-7100		J642	Al	1	6119210600	WIRE, TIN COATED SOFT COPPE	
5F02 K 5F03			5	5547132000	FRONT BRACKET	N3.0*6 MS PC NAD-7100		J644-J646 L100 (5540100701 6652001000	SPRING COIL	0.7#3#10TS
5 F03 K 5 F03 N				033160652 033161156	SCREW BRB SCRRW RRR	M3.0*06 M3.0*08 TS-PC			A IA			75 ORK ANT TERMINAL 75 ORK ANT TERMINAL	12-1032 12-1032
5F04			ş	B547131700	PLATE (R)	HAD-7100		P101 1	8 B1	1	5556205300	75 OHK ANT TERMINAL 75 OHK ANT TERMINAL	12-1032 12-1030
5 PG4 K 5 PG5	Å		1	7033160652 5547131630	LEFT PLATE	M3.0*06 NAD-1600		P101 (C	1	5556205300	75 OHN ANT TERMINAL	12-1030
5 F O 5 5 F O 5	A i B			5547131630 5547131620		NAD-1600 NAD-1600		P101 4	Cl			75 OHK ANT TERMINAL RING TERMINAL CONNECTOR	12-1030 L=45NN
5P05	Bi		ī	5547131620	LEFT PLATE	NAD-1600		P201A P221A		1	5556519300	6P HOUSING ASS'Y L=300 3P PVC PARALLEL WIRE BLK	NAD-7000 300 mm 7/0.16 220 mm 26ANG
5 P 0 5 5 P 0 5	C C1		1	5547131620 5547131620	LEFT PLATE	NAD-1600 NAD-1600		P331		1	5556519600	14P HOUSING ASS'Y	NAD-7000
S POSN S POSN	Á			7033160652 7033160652		K3.0≠06		P400A P501	Á	1		5P HOUSING ASS'Y (L=250) AC OUTLET (POLARIZED)	7/0.16 250mm AWG26# S-16519-02#01/HJC-030A
5F05H 5F050	Al		1.	7033160652 7000305012	SCREW BRB	M3.0*06 M3.0*08			A1 B	1		AC OUTLET (POLARIZED)	S-16519-02#01/HJC-030A S-16536#01
5F06			1	5541033800	BRACKET PLATE (R)	NAD-7100		P501 I	B1	1	5556312100	AC RECEPTACLE	S2-739Y-100
5806M 5807				7033160652 5546323000	SCREW BRB PLAY SPRING	H3.0≠0€ HAD-?100			C C1	1	5556311400 5556311400		S-16536#01 S-16536#01
5F20 5F29			9	5546322900	PUSH SPRING WIRE CLAMP. WITH TUBE	NAD-7100			A Al	1	5556308320	AC OUTLET (POLARIZED) AC OUTLET (POLARIZED)	S-16519-02#01/HJC-030A S-16519-02#01/HJC-030A
5501			ì	5547131810	CHASSIS	NAD-1600		P612	A	i	5556200800	LOG	3.1mm
5801H 5801H				7033160652 7033161156		K3.0*06		P612 1 P701A	Al	1	5556200800 5556519200	FP HOUSING ASS'Y	3.1em NAD-7000 L=400
6802 6804					BUSHING POWER CORD PCB SUPPORT	SR-4P-4 & B-7 SCB-15		P702A P905A		1		4P HOUSING ASS'Y 7P HOUSING ASS'Y	NAD-7000 L=350 NAD-7000
6C01			2	5419700191	HINGE	NAD-7100		P931A		ì	5556518900	11P HOUSING ASS'Y	NAD-7000
6C01M 6C03	Á		4	7033161156 5547802120	7007	83.0*08 TS PC NAD-7190		P932A P933A		1	5556519000	TOP HOUSING ASS'Y 4P HOUSING ASS'Y	NAD-7000 L=400 NAD-7000 L=350
6C03	A1 R		4	5547802121 5547802120	RUBBER FOOT	NAD-7100 (UL 94V-0) NAD-7100			k k1	1		RES., CARBON FILM RES., CARBON FILM	1/2W 1/2W
.6C03	B1		4	5547802120	F007	NAD-7100		T501		į	5561317020	POWER TRANSFORM (BI-48)	115V/60Hz 230V/50Hz
6C03	C C1		ţ	5547802120 5547802120	P00T	HAD-7100 NAD-7100		T502		1	*121*1210	POWER TRANSFORM (SHIELD)	115V/60Hz 23OV/50Hz
6C03M 6C08				7000305022 5532410700		M3.0*10 25*11*15MK							
6C12			ı	5532410720	PE SPONGE (BLE)	15*15*5T							
6F01 6F0!X			1	7033160652	FRONT PANEL SCREW BRB RUD TS	MAD-1600 M3.0*06							
6F01H 6F01P					SCREW BRB RUD TS PC SCREW BRB RUD TS	M3.0*08 M3.0*12	•						
6F02			1	5542909410	RECEIVER WINDOW	HAD-7000							
6F03			1	5542225000 5542225100	BEZEL (8)	NAD-7100 NAD-7100							
6F05			1	5542225400 5542225200	POWER BEZEL BEZEL (C)	NAD-7100 NAD-7100							
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NAD-1600 PARTS LIST

NO. PARTS NAME 1 HEMELON(L)	PARTS NO. 5542006110
2 KNOB, VOLUME	5541537900
3 KNOB, BALANCE	5541538000
4 KNOB, BAND	5541537300
5 CAP, TOGGLE	5531537800 5542006100
6 HEMELON(S) 7 KNOB,CONTROL	5541537510
8 BUTTON, PUSH	5541537700
9 BEZEL, SCAN	5542225800
10 KNOB, SCAN	5541537600
11 BEZEL, FUNCTION	5542225300
12 BEZEL, COPY	5542225200
13 BEZEL, LOUDNESS	5542225000
14 KNOB, PUSH(R)	5541537110
15 KNOB, PUSH(L)	5541537100
16 BEZEL, SPEAKER	5542225100
17 SPRING, PUSH	5546322900
18 KNOB, POWER	5541537200
19 PANEL, FRONT	5541213120
20 BEZEL, POWER	5542225400
21 PLATE, LEFT	5547131620
22 BRACKET, FRONT(B)	5547132000
23 BRACKET, FRONT(A)	5547131500 5547136200
24 PLATE, MIDDLE 25 PLATE, BACK(120)	5547136100
PLATE, BACK (220)	5547136110
PLATE, BACK(240)	5547136120
26 COVER, TOP	5541002310
27 CORD, POWER	5547501200
28 SUPPORT, PCB	5547530400
29 HEAT SINK	5545306900
30 HEAT SINK(S)	5545306910
31 TERMINAL	5546121400
32 WASHER, TOOTH	7101200352
33 WASHER, LOCK	7101201202
34 PLATE, RIGHT	5547131700
35 CHASSIS	5547131810
36 FOOT, RUBBER	5547802120
37 HINGE	5419700101
38 PLATE, AUX	5547035800
39 BRACKET PLATE, RIGHT 40 WINDOW, RECEIVE	5547033800 5542909410
42 SPRING, PLAY(A)	5546323000
TE OFNING, FERT (A)	JJ40323000

PACKING DIAGRAM



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!	ITEM	1	PARTS NO.	;	NAME	1	QTY
1	1	;	9510685155	;	OWNERS MANUAL	;	1
!	2	1	9520680155	1	POLYLON L.	1	1
!	3	:	5552000200	1	REMOTE CONTROL TRANSMITTER	;	1
-	4	;		:	R/C TRANSMITTER MANUAL	:	1
1	5	1	9.520680255	:	POLYLON R.	1	1
1	6	1	9520685155	1	POLYLON BAR	;	1
1	7	1	6910151403	;	DRY BATTERY	!	2
;	8	;	9510680555	;	CARTON	;	1
;	9	1	9510685155	1	PAPER PLATE	1	1
!	10	-	9530680155	1	EPE BAG	!	1
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NAD Electronics Ltd.

Model: 1600

Service Information

Issue 1

Date: 1 November 1990

Notes:

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